

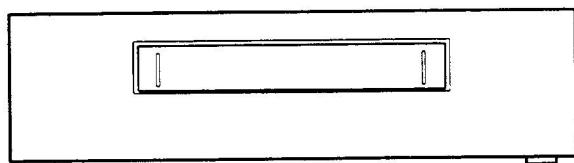
# GoldStar

## VIDEO CASSETTE RECORDER SERVICE MANUAL

**MODEL : QUISY 200/220**

**CAUTION**

BEFORE SERVICING THE UNIT, READ THE "SAFETY PRECAUTIONS"  
IN THIS MANUAL.



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**NOTE)** The table of contents for this section is edited separately.

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# SECTION 1 SUMMARY KEY TO ABBREVIATION


A	AC	:Alternating Current	M	LPF	:Low Pass Filter
	ACC	:Automatic Color Control		MAX	:Maximum
	ACSS	:Automatic Channel Setting System		MD	:Modulator
	ADJ	:Adjust		MECHA.CTL	:Mechanism Control
	A/E	:Audio Erase		MIC	:Microphone
	AFC	:Automatic Frequency Control		MIN	:Minimum
	AFT	:Automatic Fine Tuning		MIX	:Mixer, Mixing
	AGC	:Automatic Gain Control		M.M.	:Mono Multi Vibrator
	A.H.SW	:Audio Head Switch		MMV	:Monostable Multivibrator
	ALC	:Automatic Level Control		MOD	:Modulation, Modulator
	AM	:Amplitude Modulation		MODEN	:Modulation-Demodulator
	AMP	:Amplifier		MPX	:Multiplex
	ANT	:Antenna	N	NR	:Noise Reduction
B	APC	:Automatic Phase Control		OSC	:Oscillator
	ASS'Y	:Assembly	O	OSD	:On Screen Display
	AUX	:Auxiliary		PB	:Playback
	B	:Base	P	PCB	:Printed Circuit Board
	BGP	:Burst Gate Pulse		P.CTL	:Power Control
C	BPF	:Bandpass Filter		PER-AMP	:Preamplifier
	BS	:Broadcasting Satellite		P.F	:Power Failure
	BW or B/W	:Black and White		PG	:Pulse Generator
	C	:Capacitor, Chroma, Collector		PLL	:Phase Locked Loop
	CAN	:Cancel		PREM.DET	:Premire Detect
D	CAP	:Capstan		P-P	:Peak to Peak
	CAP.BRK	:Capstan Brake		PS	:Phase Shift
	CAP.RVS	:Capstan Reverse		PWM	:Pulse Width Modulation
	CATV	:Cable Television		PWR CTL	:Power Control
	CBA	:Circuit Board Assembly	Q	Q	:Transistor
	CCD	:Charge Coupled Device		QH	:Quasi Horizontal
	C.CTL	:Chro Control, Capstan Control		QSR	:Quick Set Record
	CFG	:Capstan Frequency Generator		QTR	:Quick Timer Record
	CHROMA	:Chrominance		QV	:Quasi Vertical
	CNR	:Chroma Noise Reduction	R	R	:Resistor, Right
	COMB	:Combination		RE(or RC)	:Remocon, Receiver
	COMP	:Comb Filter		REC	:Recording
		:Comparator		REC S.'H'	:Record Start 'High'
		:Composite		REF	:Reference
E		:Compensation		REG	:Regulated, Regulator
	CONV	:Converter		REMOCON	:Remote Control(unit)
	C.ROT SW	:Color Rotary Switch		RF	:Radio Frequency
	CS	:Chip Select		R/P	:Record/Playback
	C.SYNC	:Composite Synchronization		RTC	:Reel Time Counter
	CTL DIV	:Control Divide	S	S	:Serial
	CUR	:Current		S.ACCEL	:Slow Accel
	CYL	:Cylinder		SAOP	:Second Audio Program
				SC	:Scart, Simulcast
	D	:Drum, Digital, Diode, Drain		S.DET	:Secam Detect
	D.ADJ	:Drum Adjust		SH	:Shift
	DC	:Direct Current		SHARP	:Sharpness
	D.CTL	:Drum Control		SIF	:Sound Intermediate Frequency
	DEMOD	:Demodulator		SLD	:Side Locking
	DET	:Detect		S/N	:Signal to Noise Ratio
	DEV	:Deviation		SP	:Standard Play
F	DHP	:Double High Pass		ST	:Stereo
	DIGITRON	:Digital Display Tube		SUB	:Subtract, Subcarrier
	DL	:Delay Line		SW or SW	:Switch
	DOC	:Drop Out Compensator		SYNC	:Synchronization
	DUB	:Dubbing		SYSCON	:System Control
	D.V SYNC	:Dummy Vertical Synchronization	T	T	:Coil
	E	:Emitter		TP	:Test Point
	EE	:Electric to Electric		TR	:Transistor
	EMPH	:Emphasis		TRK	:Tracking
	ENA	:Enable		TRANS	:Transformer
	ENV	:Envelope		TU	:Tuner, Take-Up
	EP	:Extended Play	U	UHF	:Ultra Hight Frequency
	EQ	:Equalizer		UNREG	:Unregulated
	EXP	:Expander	V	V	:Volte, Vertical, Video
G	F	:Fuse		VA	:Voltage Alive
	FB	:Feed Back		VCO	:Voltage Controlled Oscillator
	FBC	:Feed Back Clamp		VGC	:Voltage Gain Control
	FE	:Full Erase		VHF	:Very High Frequency
	FG	:Frequency Generator		V.H.SW	:Video Head Switch
	FL	:Filter		VISS	:VHS Index Search System
	FM	:Frequency Modulation		VPS	:Video Program System
	F/R	:Forward/Reverse		VR	:Variable Resistor or Volume
	FS	:Frequency Synthesizer		V-SYNC	:Vertical Synchronization
	FSC	:Subcarrier Frequency		VTG	:Voltage
	F/V	:Frequency Voltage		VV	:Video to Video
	GEN	:Generator		VXO	:Voltage X-tal Oscillator
H	H	:High, Horizontal	W	W	:Watt
	IC	:Integrated Circuit		WHT	:White
	IF	:Intermediate Frequency		W/O	:With Out
I	INS	:Insert	X	X-TAL	:Crystal
	L	:Low, Left, Coil		Y/C	:Luminance/Chrominance
	LD	:Loading	Y	YNR	:Luminance Noise Reduction
L	LD VTG CTL	:Loading Voltage Control		ZD	:Zener Diode
	LECHA	:Letter Character			
	L.M	:Level Meter			
	LP	:Long Play			

## IMPORTANT SAFETY PRECAUTIONS

Prior to shipment from the factory, the products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

### • Precautions during Servicing

1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

2. Parts identified by the  symbol and shaded (■) parts are critical for safety.

Replace only with specified part numbers.

Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

3. Use Specified internal wiring. Note especially:

- 1) Wires covered with PVC tubing
- 2) Double insulated wires
- 3) High voltage leads

4. Use specified insulating materials for hazardous live parts. Note especially:

- 1) Insulation Tape
- 2) PVC tubing
- 3) Spacers
- 4) Insulation sheets for transistor

5. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering. (Fig. 1)

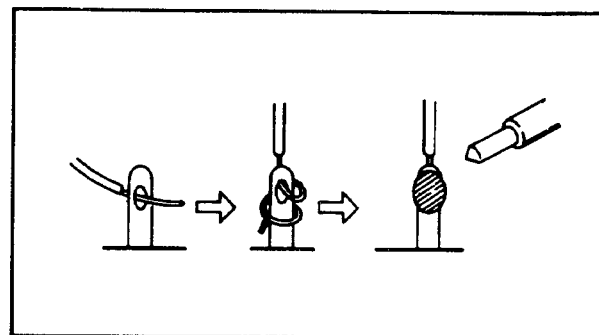


Fig. 1

6. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)

7. Check that replaced wires do not contact sharp edged or pointed parts.

8. When a power cord has been replaced, check that 10-15Kg of force in any direction will not loosen it. (Fig. 2)

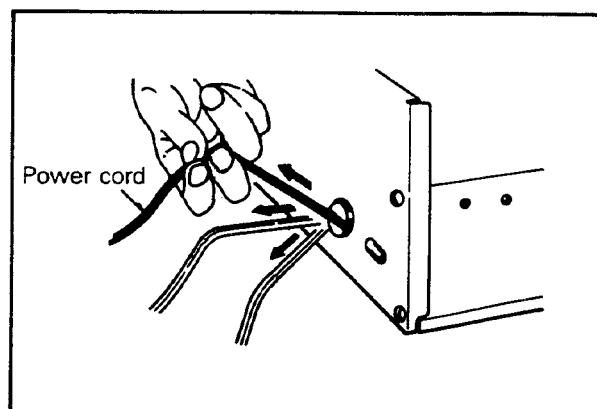


Fig. 2

9. Also check areas surrounding repaired locations.

10. Products using cathode ray tubes (CRTs)

In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the parts specified. Under no circumstances attempt to modify these circuits. Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.



## SAFETY CHECK AFTER SERVICING

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

### • Insulation resistance test

Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table below.

### • Dielectric strength test

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table below.

### • Clearance distance

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table below.

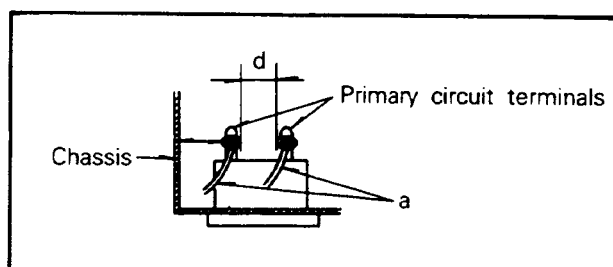


Fig. 3

Table 1: Ratings for selected areas

AC Line Voltage	Region	Insulation Resistance	Dielectric Strength	Clearance Distance(d),(d')
*110 to 130 V 200 to 240 V	Europe Australia	$\geq 10 \text{ M}\Omega / 500 \text{ V DC}$	4kV 1 minute	$\geq 6\text{mm}(d)$ $\geq 8\text{mm}(d')$ (a Power cord)

\*Class II model only.

Note. This table is unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

### • Leakage Current test

Confirm specified or lower leakage current between B(earth ground, power cord plug prongs) and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.)

Measuring Method: (Power ON)

Insert load Z between B(earth ground, power cord plug prongs) and exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure and following table.

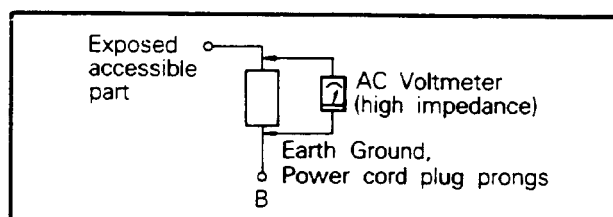


Fig. 4

Table 2: Leakage current ratings for selected areas

AC Line Voltage	Region	Load Z	Leakage Current(i)	Earth Ground (B) to:
100 to 130 V	Europe	$2\text{k}\Omega$	$i \leq 0.7\text{mA peak}$ $i \leq 2\text{mA dc}$	Antenna earth terminals
200 to 240 V	Australia	$50\text{k}\Omega$	$i \leq 0.7\text{mA peak}$ $i \leq 2\text{mA dc}$	Other terminals

Note. This table is unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

## FEATURES

- HQ (High Quality) picture enhancement system that improves picture sharpness and detail.
- Centre tape mechanism for high quality pictures.
- Full function infra-red remote control handset.
- Programmable 80 channel memory with voltage synthesised tuner.
- ACMS (Automatic Channel Memory System) the channels will be preset automatically.
- ACSS (Automatic Clock Setting System) - the clock will be set automatically by reading the present time and date from the teletext of the German time TV stations ARD or ZDF : ★
- 8 event/1 month programmable timer.
- Built-in ShowView programming.
- VPS - Video Programme System : ★
- Recording and playback for 16:9 Wide-screen format.
- Double speed playback.
- Auto Power on and Play.
- Automatic Rewind.
- LP - Long Play - recording and playback.
- Self diagnostic function.
- Shuttle Controls.
- Logic & Jet Search.
- VISS - VHS Index Search System.
- Child Lock.
- Auto Head Cleaner.
- Fine still, Frame advance & Variable Slow functions.
- Real Time Counter & Remaining tape time display.
- Quick Start function.
- Digital Auto Tracking System.
- ★ OPTIONAL FUNCTION

## SPECIFICATIONS

### GENERAL

Power	: AC100-240V(SMPS), 50Hz.
Power consumption	: Approx. 20 watts
Video recording system	: Rotary 2 heads, helical scanning system
Tape speed	: 23.39 mm/sec (SP mode)
Tape format	: Tape width 1/2" (12.7 mm high density VHS tape)
Maximum recording time	: 4 hours in SP mode
Fast forward/Rewind time	: Less than 150 sec. (with E-180 tape)
Dimensions (W x H x D)	: 14.2"x3.5"x12" (360x88x305 mm)
Weight	: 9.9lbs. (4.5 kg)
Operating temperature	: 41°F-95°F (5°C-35°C)
Operating humidity	: Less than 80%
Timer	: 24 hours display type

### VIDEO

Television system	: CCIR standard (625 lines, 50 fields)
Recording format	: PAL/SECAM colour signal
RF reception	: PAL/MESECAM
RF out	: PAL/SECAM (B/G)
Input level	: PAL G/SECAM G
Output level	: VIDEO IN (Scart type) 1.0 Vp-p, 75 ohm, unbalanced
Signal to noise ratio	: VIDEO OUT (Scart type) 1.0 Vp-p, 75 ohm, unbalanced
RF Modulator	: More than 43 dB
	: UHF Channels 30-40(adjustable)

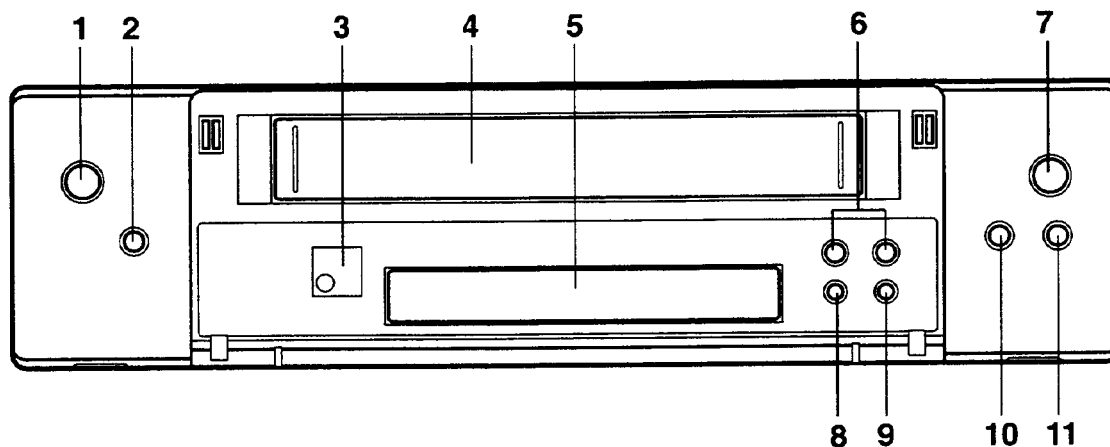
### AUDIO

Input level	: AUDIO IN (Scart type) 0 dBm, more than 10Kohm
Output level	: AUDIO OUT (Scart type) 0 dBm, less than 1Kohm
Audio track	: Mono track
Audio frequency response	: 100 Hz-10 kHz (-6/+3)
Audio signal to noise ratio	: More than 43 dB

※ Design and specifications are subject to change without notice.

## LOCATION OF CUSTOMER CONTROLS

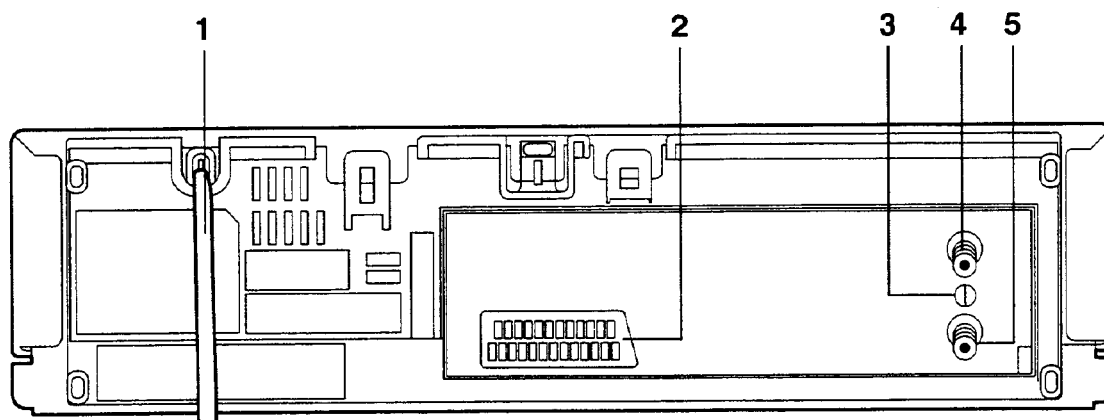
### FRONT



- 1. STOP/EJECT
- 2. OPERATE
- 3. REMOTE CONTROL SENSOR
- 4. VIDEO CASSETTE COMPARTMENT
- 5. MULTI FUNCTION DISPLAY
- 6. CHANNEL PROGRAMME SELECTORS

- 7. PLAY (x2)
- 8. REC/QSR
- 9. PAUSE/STILL
- 10. REWIND/REVIEW
- 11. FAST FORWARD/CUE

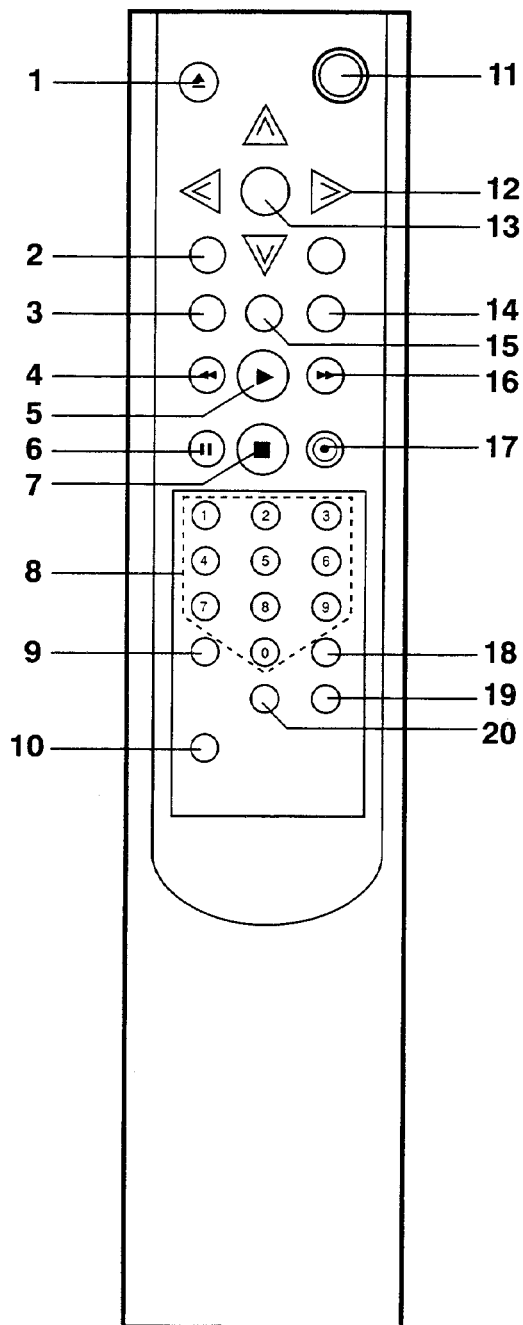
### REAR



- 1. MAINS LEAD
- 2. AUDIO/VIDEO
- 3. VIDEO CHANNEL CONTROL

- 4. ENTREE ANTENNE
- 5. SORTIE ANTENNE

## REMOTE CONTROL



1. EJECT
2. CLOCK/TAPE COUNTER/TAPE REMAINING
3. CLEAR
4. REWIND/REVIEW
5. PLAY(X2)
6. PAUSE/STILL
7. STOP
8. NUMBER BUTTONS
9. VIDEO PLUS + : ★
10. AUDIO/VIDEO
11. OPERATE
12. CURSORS (▲ ▼ ◀ ▶)
13. OK
14. CHILD LOCK
15. AUTOMATIC TRACKING
16. FAST FORWARD/CUE
17. REC/QSR
18. VPS(PDC)
19. VISS
20. LP : ★

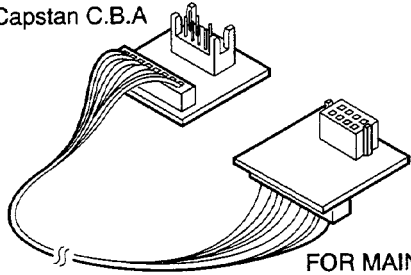
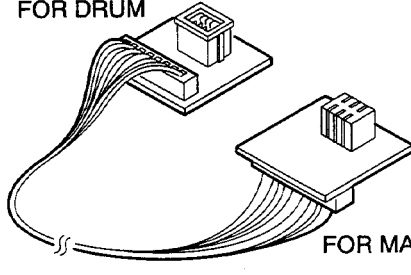
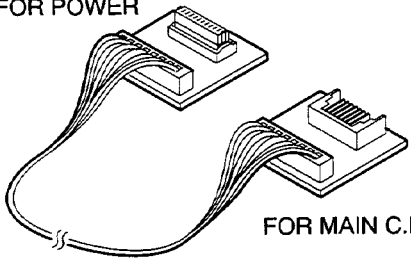
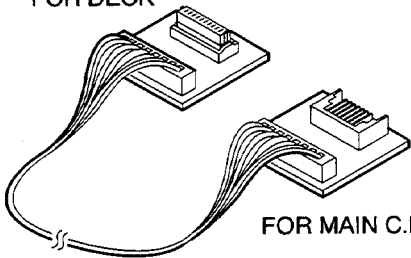
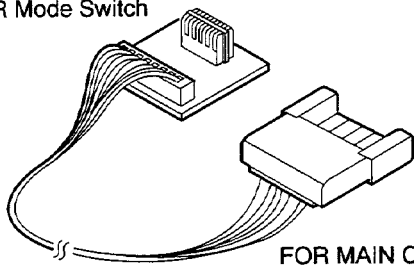
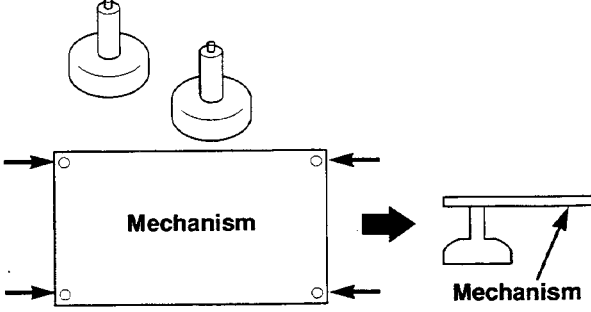
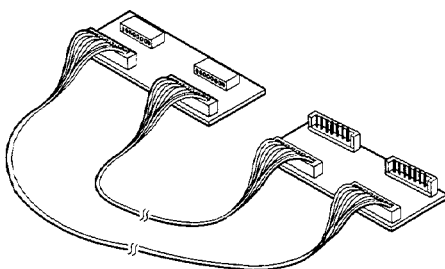
★: OPTIONAL FUNCTION

SECTION 2 CABINET & MAIN FRAME

SERVICE METHOD

1. Electrical Service Fixture List

The Fixture uses in Deck Ass'y Checking.

<p>1) Fixture Cable ① (Fix.1) Parts No: 6871R-0288A (Optional Parts)</p> <p>FOR Capstan C.B.A</p>  <p>FOR MAIN C.B.A</p>	<p>2) Fixture Cable ② (Fix.2) Parts No: 6871R-0288B (Optional Parts)</p> <p>FOR DRUM</p>  <p>FOR MAIN C.B.A</p>
<p>3) Fixture Cable ③ (Fix.3) Parts No: 6871R-0288C (Optional Parts)</p> <p>FOR POWER</p>  <p>FOR MAIN C.B.A</p>	<p>4) Fixture Cable ④ (Fix.4) Parts No: 6871R-0288D (Optional Parts)</p> <p>FOR DECK</p>  <p>FOR MAIN C.B.A</p>
<p>5) Fixture Cable ⑤ (Fix.5) Parts No: 6871R-0288E (Optional Parts)</p> <p>FOR Mode Switch</p>  <p>FOR MAIN C.B.A</p>	<p>6) Fixture Cable ⑥ (Fix.6) Parts No: 322-065A (Optional Parts)</p>  <p>Mechanism</p> <p>Mechanism</p>
<p>7) Fixture Cable ⑦ (Fix.7) Parts No: 6871R-0288J (Optional Parts)</p> 	

SECTION 2  
CABINET & MAIN  
FRAME

# SERVICE METHOD

## 2. SERVICE FIXTURE CONNECTING METHOD

### 1) Check and Replace of The Electrical Parts

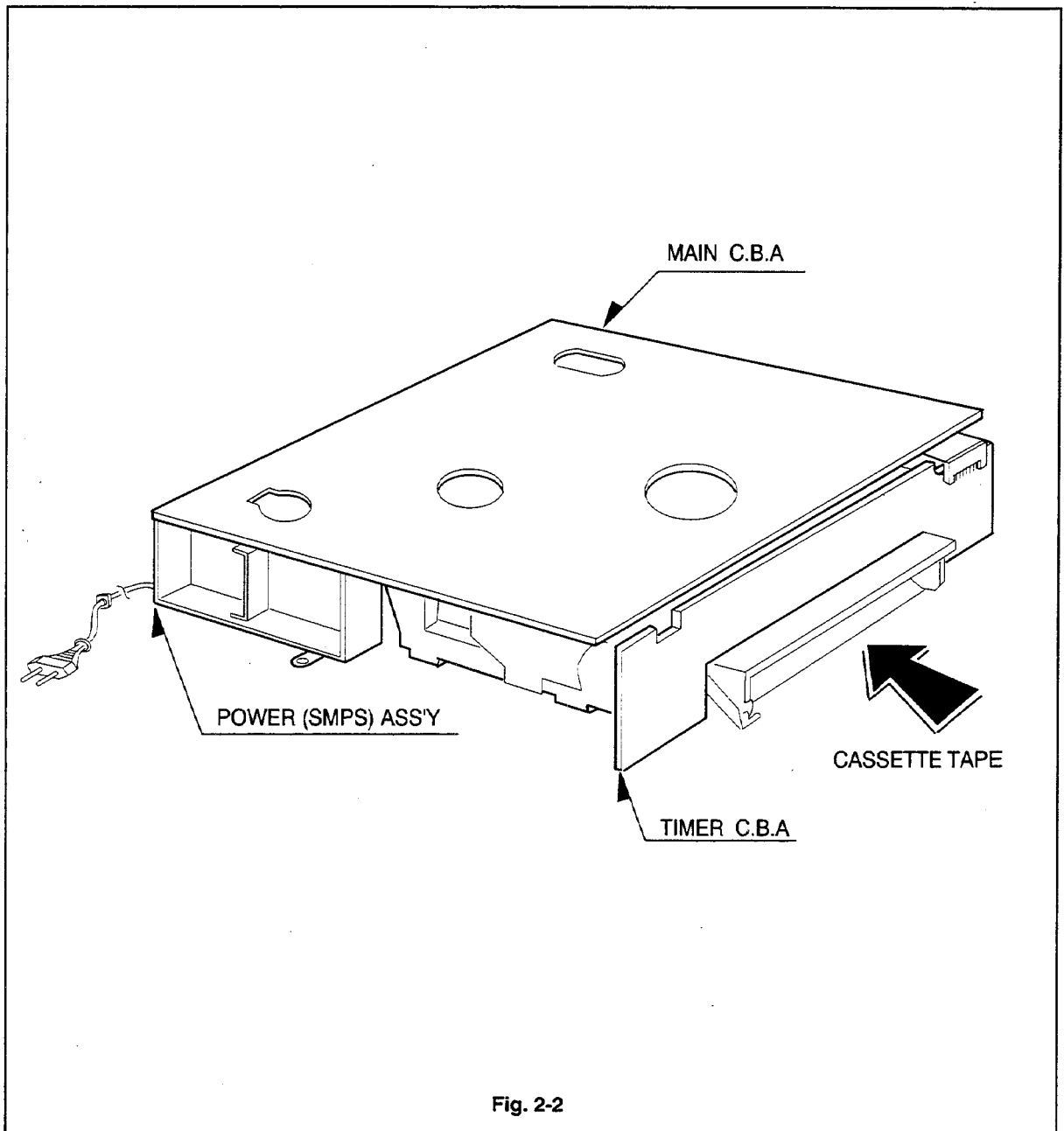
#### ► Disassembly Flow



- a. Refer to pages 2-4, 2-5 for Disassembling.
- b. Assemble inversely like figure 2-2, and check the electrical Parts.

#### ★ Notes in Check

- a) CST switch of the Main C.B.A must connected with Level Switch of Deck Assy.
- b) Insert Video Cassette Tape inversely.
- c) In disassembling and assembling, be careful not to damage CST Switch.



# SERVICE METHOD

## 2) Check and Replace of The Deck Ass'y

### ► Disassembly Flow



- Refer to pages 2-4, 2-5 for Disassembling.
- Assemble like figure 2-3, and connect with fixture 6EA.

### ★ Notes in Check

- Insert Video Cassette Tape and pushes CST switch at the same time.
- Short W323 and W278 of Main C.B.A so that the End sensor (Supply sensor, Take up sensor) and supply Reel Sensor, Take up Reel Sensor are not operating.
- Recover W323 and W278 of Main C.B.A to the original condition after check.
- In disassembling and assembling, be careful not to damage CST Switch.
- When Fix.②, Fix.③, Fix.④ will be connect, connect the identification line with accord as like the Fig. 2-3.

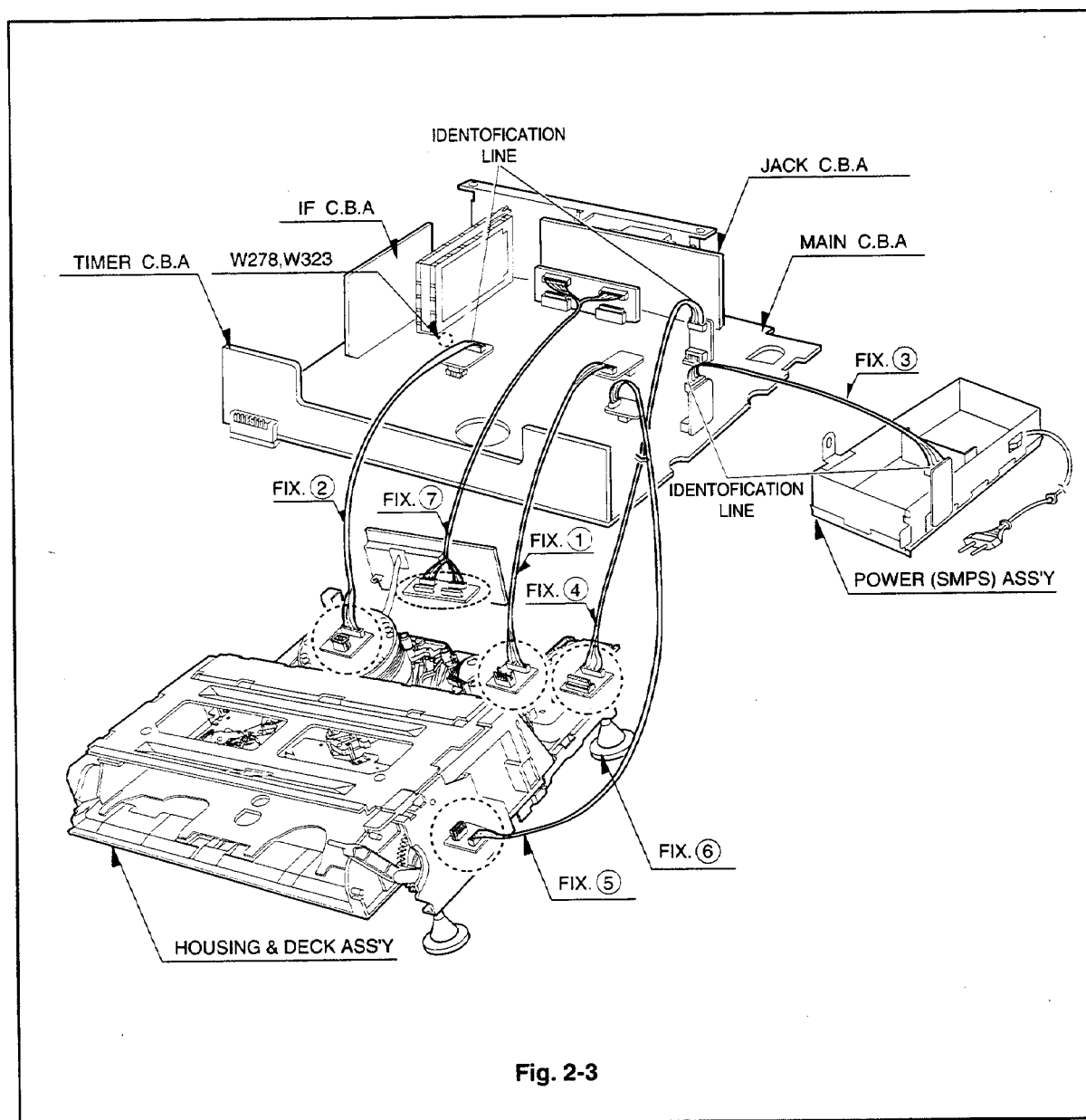


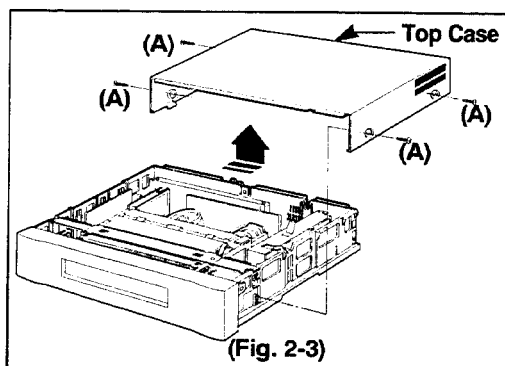
Fig. 2-3

# CABINET DISASSEMBLY

## ► Disassembly Flow



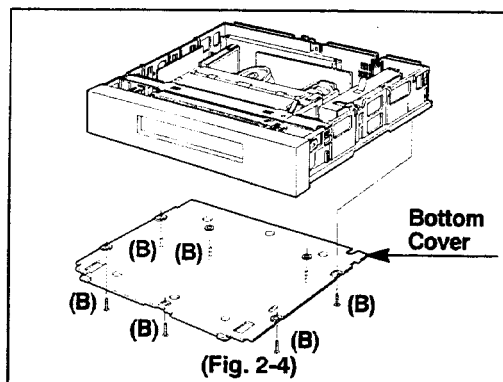
### 1. Top Case



#### 1. Top Case (Fig. 2-3)

- 1-1) Release 4 screws (A).
- 1-2) Lift the Top Case by holding the back and remove it in the direction of the arrow.

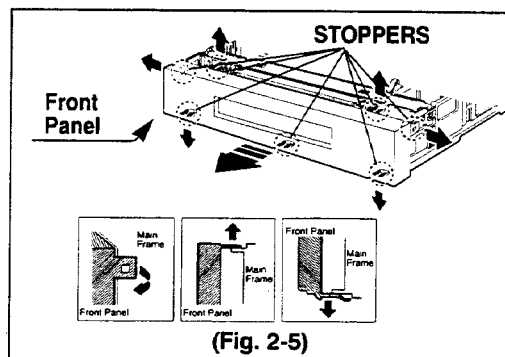
### 2. Bottom Cover



#### 2. Bottom Cover (Fig. 2-4)

- 2-1) Remove 7 screws (B) and Bottom Cover.

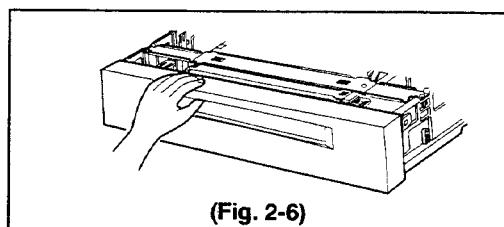
### 3. Front Panel



#### 3. Front Panel (Fig. 2-5)

- 3-1) Remove the Top Case.
- 3-2) Remove the Bottom Cover.
- 3-3) Release the 7 stoppers of the Top, Bottom and side of the front panel (C) in the direction of the arrows.

## ★ Caution



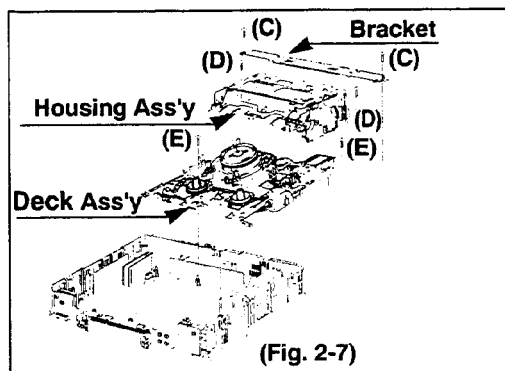
## ★ Caution (Fig. 2-6)

When reassemble the front panel, assemble it in condition of inserting the Door Cassette inside, as shown in Fig. 2-6.



# CIRCUIT BOARD DISASSEMBLY

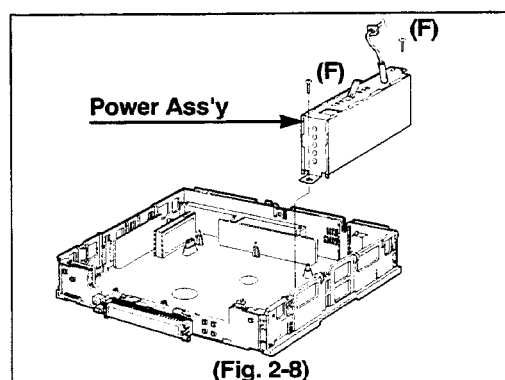
## 1. Housing and Deck Ass'y



## 1. Housing and Deck Ass'y (Fig. 2-7)

- 1-1) Remove the Front Panel.
- 1-2) Remove 2 screws (C) of the Bracket.
- 1-3) Remove 2 screws (D) and disassemble the housing.
- 1-4) Remove 3 screws (E) and disassemble the deck.

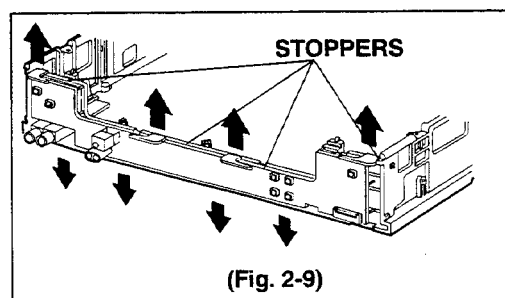
## 2. Power Ass'y



## 2. Power Ass'y (Fig. 2-8)

- 2-1) Remove 2 screws (F).
- 2-2) Lift up the power Ass'y in the direction of the arrow.

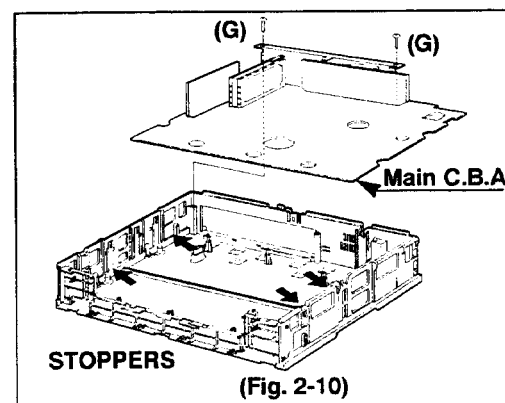
## 3. Timer Circuit Board



## 3. Timer Circuit Board (Fig. 2-9)

- 3-1) Pull the timer circuit board toward you while pressing 8 stoppers in the direction of the arrows to disengage, and remove the timer circuit board.
- 3-2) Remove the connector for complete removal.

## 4. Main Circuit Board



## 4. Main Circuit Board (Fig. 2-10)

- 4-1) Remove 1 holder C.B.A.
- 4-2) Remove 2 screws (G).
- 4-3) Pressing 4 stoppers in the direction of the small arrows and lift up the main circuit board.

• Cabinet & Main Frame Section (MODEL : T21HP)

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
ASSEMBLY PARTS SECTION						
		A43	258-756J	PANEL	ASSY FRONT	
		A44	3501R-0278F	BOARD ASSY	SMPS	
		A45	501-521G	MODULE		
		A46	3501R-0263C	BOARD ASSY	MAIN	
PARTS SECTION						
		250	217-570C	CASE	TOP	NSP
		260	315-347B	FRAME	MAIN(60HR)	
		266	321-738A	BRACKET	ASSY HOUSING	
		267	255-429A	PLATE	GND(M/F)	
		268	255-359A	PLATE	SIDE GND	
		269	255-362A	PLATE	PRE-AMP GND	
		270	321-743A	BRACKET	PROTECT	
		275	324-802A	HOLDER	DIGITRON	
		280	258-757H	PANEL	FRONT	
		283	226-110P	DOOR	CST	
		284	442-681A	SPRING	DOOR	
		300	681-051A	CORD	KKP-419J B-172 KLCE-2F PAL	
	OR	300	681-951A	CORD	H03VVH2-F 2X0.75MM LP21R/PE221	
		320	258-728D	PANEL	ASSY DISTRIBUTOR	
		330	220-050A	COVER	BOTTOM	
SCREW						
		452	353-051A	SCREW	SPECIAL(3X10 FZMY)	
		459	353-046A	SCREW	SPECIAL (3X6 FZMY)	
		462	353-136A	SCREW	SPECIAL(4.6X12.5 FBK)	
		463	1MBC0302418	BINDING HEAD MACHINE SCREW +	D 3.0 L 8.0 MSWR3/FZY	
		469	353-046K	SCREW	SPECIAL (3X10 B.K)	

• Cabinet & Main Frame Section (MODEL : T213HP)

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
ASSEMBLY PARTS SECTION						
		A43	258-756M	PANEL	ASSY FRONT	
		A44	3501R-0278F	BOARD ASSY	SMPS	
		A45	501-521G	MODULE		
		A46	3501R-0263C	BOARD ASSY	MAIN	
PARTS SECTION						
	OR	250	217-570C	CASE	TOP	NSP
		260	315-347B	FRAME	MAIN(60HR)	
		266	321-738A	BRACKET	ASSY HOUSING	
		267	255-429A	PLATE	GND(M/F)	
		268	255-359A	PLATE	SIDE GND	
		269	255-362A	PLATE	PRE-AMP GND	
		270	321-743A	BRACKET	PROTECT	
		275	324-802A	HOLDER	DIGITRON	
		280	258-757L	PANEL	FRONT	
		283	226-110L	DOOR	CST (T213HP 3GG1)	
		284	442-681A	SPRING	DOOR	
		300	681-051A	CORD	KKP-419J B-172 KLCE-2F PAL	
		300	681-951A	CORD	H03VVH2-F 2X0.75MM LP21R/PE221	
		320	258-728D	PANEL	ASSY DISTRIBUTOR	
		330	220-050A	COVER	BOTTOM	
SCREW						
		452	353-051A	SCREW	SPECIAL(3X10 FZMY)	
		459	353-046A	SCREW	SPECIAL (3X6 FZMY)	
		462	353-136A	SCREW	SPECIAL(4.6X12.5 FBK)	
		463	1MBC0302418	BINDING HEAD MACHINE SCREW +	D 3.0 L 8.0 MSWR3/FZY	
		469	353-046K	SCREW	SPECIAL (3X10 B.K)	

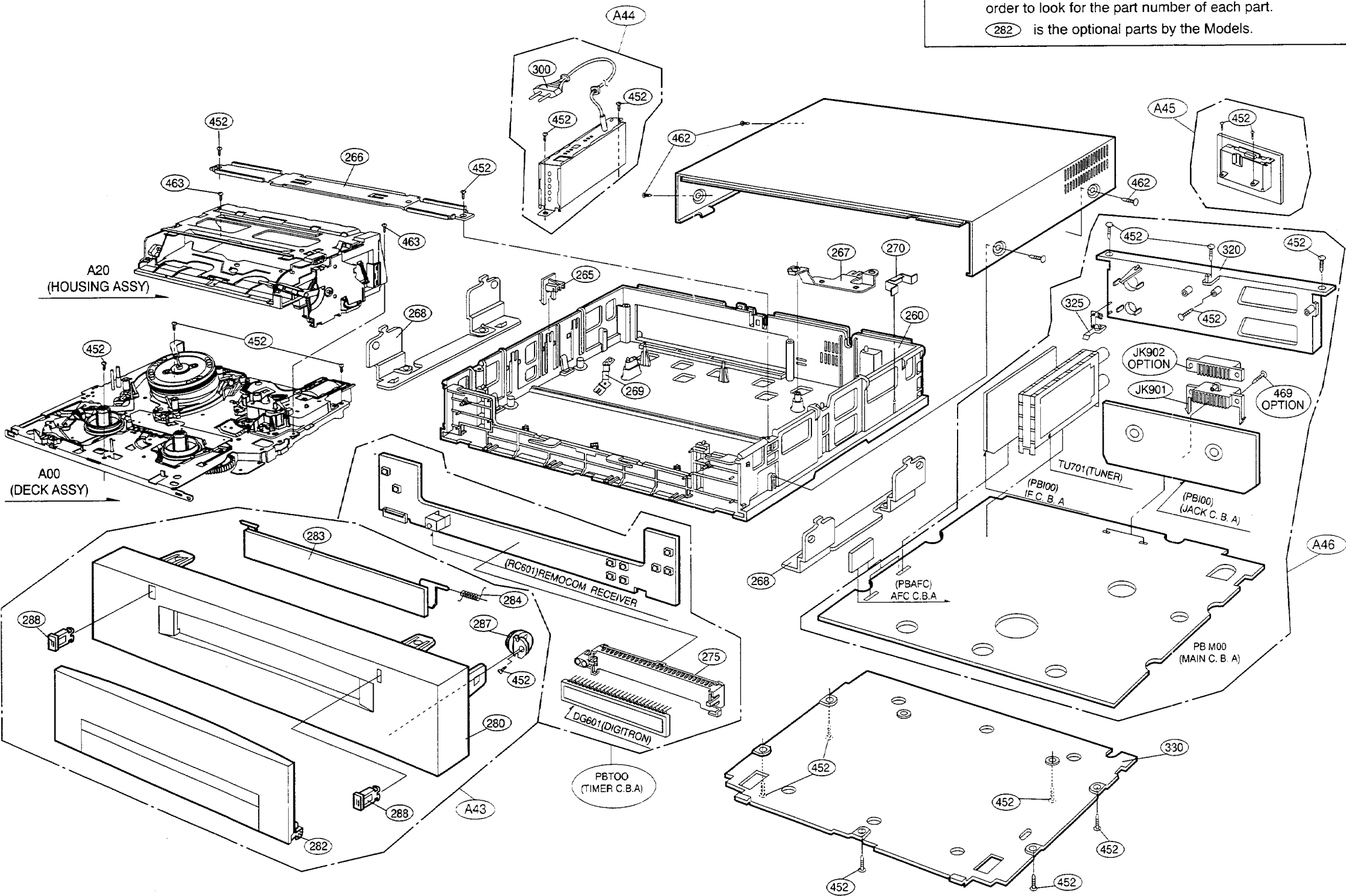
EXPLODED VIEWS

1. Cabinet & Mainframe Section

NOTE) Refer to "SECTION 5 REPLACEMENT PARTS LIST" in order to look for the part number of each part.  
282 is the optional parts by the Models.

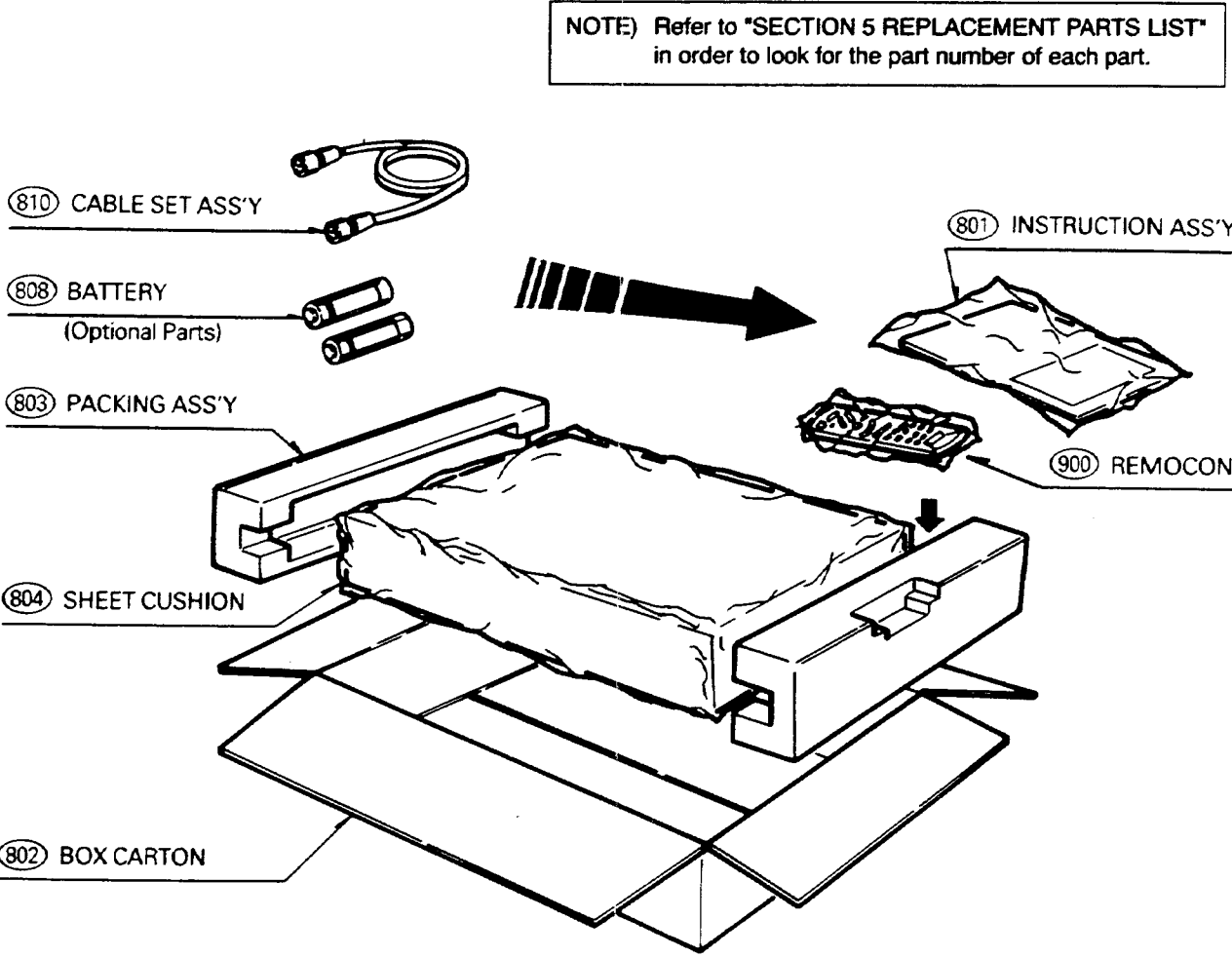
LOCATION GUIDE

A 00	A 3
A 20	A 4
A 43	C 1
A 44	D 5
A 45	G 5
A 46	H 3
PBT 00	D 1
PBI 00	G 3
PBJ 00	G 3
PBAFC	F 2
PBM 00	G 2
RC 601	D 2
TU 701	G 3
JK 901	G 3
JK 902	G 4
250	F 5
260	F 4
265	D 4
266	C 5
267	E 4
268	C 4
269	D 4
275	E 2
280	C 2
282	B 1
283	B 3
284	D 2
287	C 2
288	C 1
300	D 5
320	H 4
325	G 4
330	G 2



EXPLODED VIEWS

2. Packing & Accessory Section



• Remote Control Section (MODEL : T21HP)

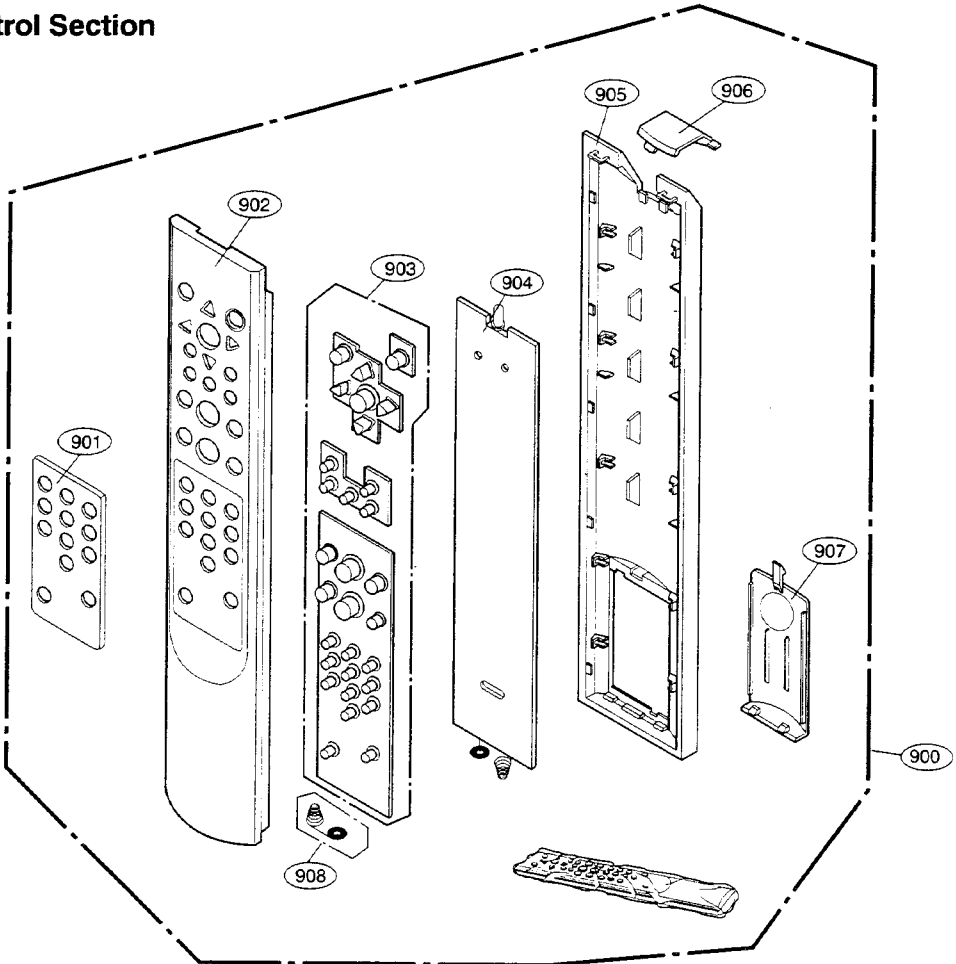
S	AL	LOCAL NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		900	597-123G	REMOTE CONTROL	ASSY	
		901	255-405C	PLATE	TOP R/C(MP/SP)	
		902	217-803B	CASE	TOP(D.G)	
		903	556-288C	SWITCH	RUBBER(D.G)	
		904	6571R-0405A	PWB ASSY1	M2 R/C NORMAL(P20P)	
		905	220-130A	COVER	BOTTOM R/C	
		906	236-580A	WINDOW	FILTER	
		907	220-131A	COVER	BATTERY	
		908	442-725A	SPRING	BATTERY	

• Remote Control Section (MODEL : T213HP)

S	AL	LOCAL NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		900	597-123B	REMOTE CONTROL	ASSY (M2)	
		901	255-405B	PLATE	TOP R/C	
		902	217-803B	CASE	TOP(D.G)	
		903	556-288B	SWITCH	CONDUCTIVE RUBBER	
		904	6571R-0405A	PWB ASSY1	M2 R/C NORMAL(P20P)	
		905	220-130A	COVER	BOTTOM R/C	
		906	236-580A	WINDOW	FILTER	
		907	220-131A	COVER	BATTERY	
		908	442-725A	SPRING	BATTERY	

EXPLODED VIEWS

3. Remote Control Section



• Packing Accessory Section (MODEL : T21HP)

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		801	480-658B	INSTRUCTION ASSY		
		802	290-400A	BOX CARTON		
		803	283-292A	PACKING		
		804	291-002B	SHEET CUSHION		
		808	534-008C	BATTERY	AAAM(R03) 1.5V 1PAIR(LOCAL)	NSP
		810	861-505B	CABLE SET ASSY	RF-CABLE,ASSY,PAL	

• Packing Accessory Section (MODEL : T213HP)

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		801	480-658A	INSTRUCTION ASSY		
		802	290-368A	BOX CARTON		
		803	283-292A	PACKING		
		804	291-002B	SHEET CUSHION		
		808	534-008C	BATTERY	AAAM(R03) 1.5V 1PAIR(LOCAL)	NSP
		810	861-505B	CABLE SET ASSY	RF-CABLE,ASSY,PAL	

## SECTION 3 ELECTRICAL

# ELECTRICAL ADJUSTMENT PROCEDURES

### Electronic Test Equipment

- Oscilloscope
- Video Signal Generator
- Level Meter
- + Driver
- Test Tape (SP)
- Recording Tape
- Digital Multimeter
- Monitor Scope
- Power Supply

### ABBREVIATIONS

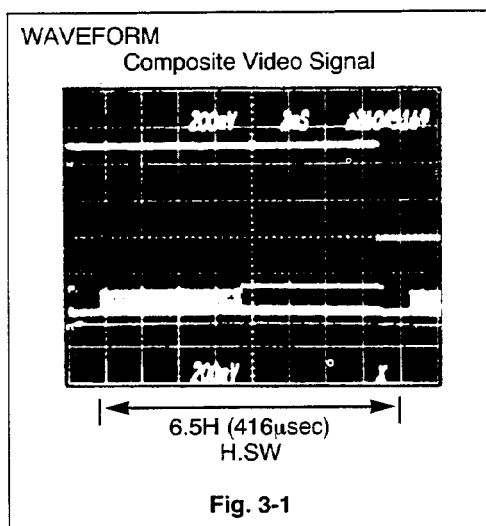
- SPEC: Specification
- M.P: Measurement Point
- A.P: Adjustment Point

### 1. Servo Circuit

#### 1) PG Adjustment

##### Purpose:

For the phase dividing of the Video A,B heads with  $180^\circ$  and the exact tracing of each track to meet head switching point with VHS Spec.



#### 1-1) Record PG Adjustment

- MODE: Record
- SPEC :  $416 \pm 50 \mu\text{sec}$
- M.P : TP302 (H.S.W)  
JK701 Pin① (Video Out)
- A.P : VR502

#### 1-2) Playback PG Adjustment

- MODE: Playback
- SPEC :  $6.5H \pm 0.5H$   
( $416 \mu\text{sec}$ ,  $1H=64 \mu\text{sec}$ )
- M.P : TP302 (H.S.W)  
JK701 pin① (Video Out)
- A.P : VR501

#### 1-1) Record PG Adjustment

##### Procedure:

- Set the VCR to A/V mode.
- Connect CH-1 terminal of oscilloscope to TP302 (H.S.W) and CH-2 terminal to video out terminal (JK701 pin①) of VCR.
- Input the Video signal to Video Input Jack.
- Record in PAL SP mode.
- Trigger the complex Video signal of CH2 to CH-1 (H.S.W), and adjust VR502 so that the distance from A(B) head selection point of H.S.W signal to the starting point of Vertical synchronized signal is  $416 \pm 50 \mu\text{sec}$ .

##### Reference:

- Record PG Adjustment is proceed in the Record mode and must be input video signal.
- The deviation between A/B Head Adjustment location should be within  $\pm 0.5H$  ( $32 \mu\text{sec}$ ).
- The deviation between the specification of adjustment and the practical measurement value should be within  $\pm 50 \mu\text{sec}$ .
- Oscilloscope and VCR set should be connected with GND.
- When the Power Ass'y of set is changed, you should be readjust Record PG.

#### 1-2) Playback PG Adjustment

##### Procedure:

- Playback a PAL SP test tape.
- At this time, the "ATR" is lighting, after pressing the A.TR (+) or A.TR (-) and adjust the X-Value.
- Connect CH-1 terminal of oscilloscope to TP302(H.S.W) and CH-2 terminal to Video Out terminal (JK701 pin①) of VCR.
- Trigger the complex Video signal of CH2 to CH-1(H.S.W), and adjust VR501 so that the distance from A(B) head selection point of H.S.W signal to the starting point of Vertical synchronized signal is  $6.5H$  ( $416 \mu\text{sec}$ ,  $1H=64 \mu\text{sec}$ ).
- The conversion of A/B Head SW signal uses the Polarity Invert Knob of oscilloscope.

##### Reference:

- $\pm PG$  adjustment is proceed in the state of maximum RF level and locked servo system (MTR Mode).
- The deviation between A/B Head Adjustment location should be within  $\pm 0.5H$  ( $32 \mu\text{sec}$ ).
- The deviation between the specification of adjustment and the practical measurement value should be within  $\pm 0.5H$  ( $32 \mu\text{sec}$ ).
- Oscilloscope and VCR set should be connected with GND.

# ELECTRICAL ADJUSTMENT PROCEDURES

## 2. Audio Circuit

### 1) Record Bias Adjustment

- MODE : Record
- SPEC :  $3.0\text{mV} \pm 0.1\text{mV RMS}$
- M.P : W105 (+)  
W106 (-)
- A.P : VR401

#### Purpose:

This is adjusting the bias current to specification in recording.

#### Procedure:

- a. Connect (+) terminal of the Level Meter to W105 (+).
- b. Connect (-) terminal of the Level Meter to W106 (-).
- c. Confirm that the Oscillation Voltage is  $3.0\text{mV} \pm 0.1\text{mV RMS}$ .
- d. At this time, adjust VR401 and make the oscillation voltage fit to specification.

## 3. Tuner/IF Circuit

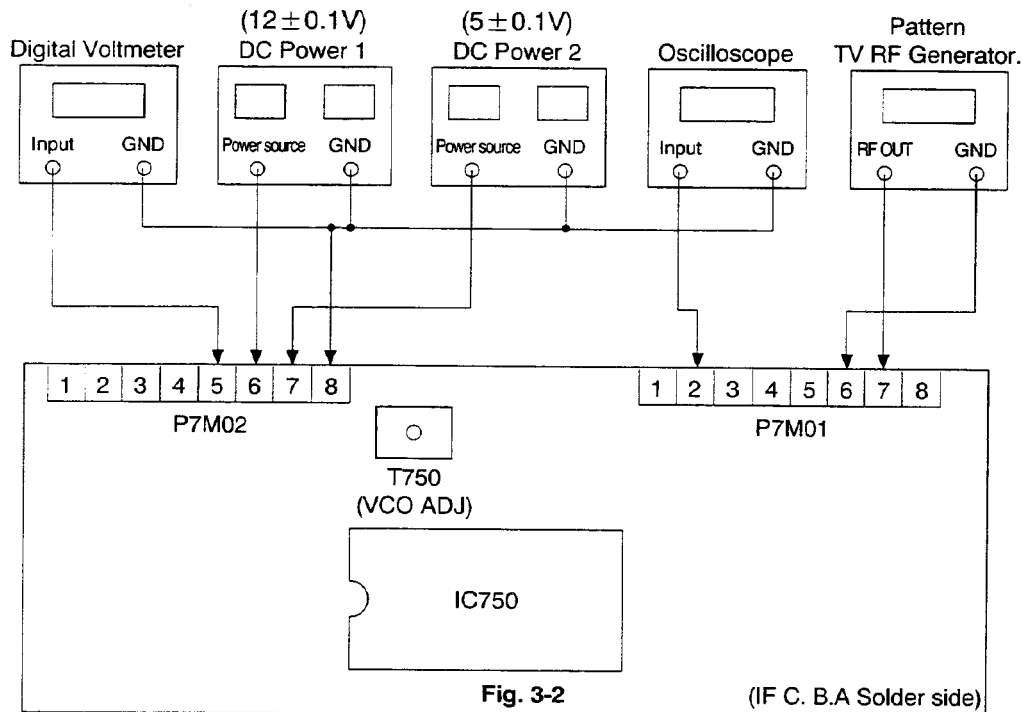
### 1) VCO (Voltage Controlled Oscillation) Adjustment

- MODE : PAL B/G (38.9MHz)
- SPEC : DC  $2.5 \pm 0.1\text{V}$
- M.P : P7M02 pin⑤ (AFC CTL)
- A.P : T750 AFC  
(Automatic Frequency Control)  
(VCO COIL)

#### Procedure:

- a. Connect as shown in Fig. 3-2.
- b. Input the PAL B/G 38.9MHz (Strength of input electric field:  $75 \pm 5\text{dBu}$ ) signal Out Terminal of TV RF Pattern GEN instrument.
- c. Confirm that the video signal is Output by connect oscilloscope to P7M01 ②PIN.
- d. Adjust VCO coil T750 so that the voltage of P7M02 pin⑤ became DC  $2.5 \pm 0.1\text{V}$ .

### Connection



### 2) RF AGC (Automatic Gain Control) Adjustment

- MODE : EE 9CH
- SPEC :  $6.0\text{V} \pm 0.1\text{V p-p}$
- M.P : W393
- A.P : VR701

#### Procedure:

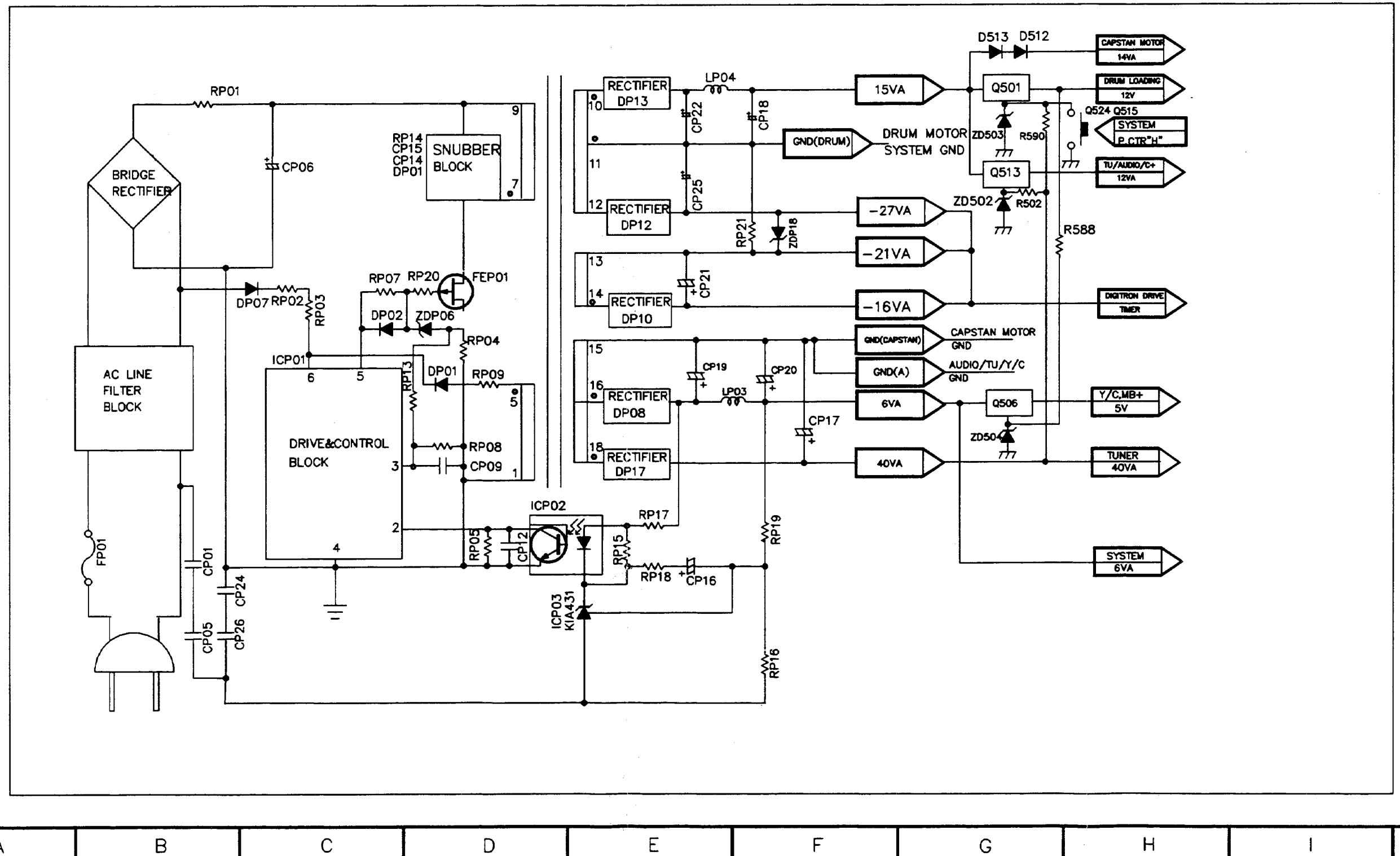
- a. Be tuning PAL 11CH (strength of input electric field:  $70 \pm 1\text{dBu}$ ).
- b. Connect the Digital Voltmeter to Tuner AGC PIN.
- c. Adjust VR701 so that the digital voltmeter is  $6.0 \pm 0.1\text{V}$ .

#### Reference:

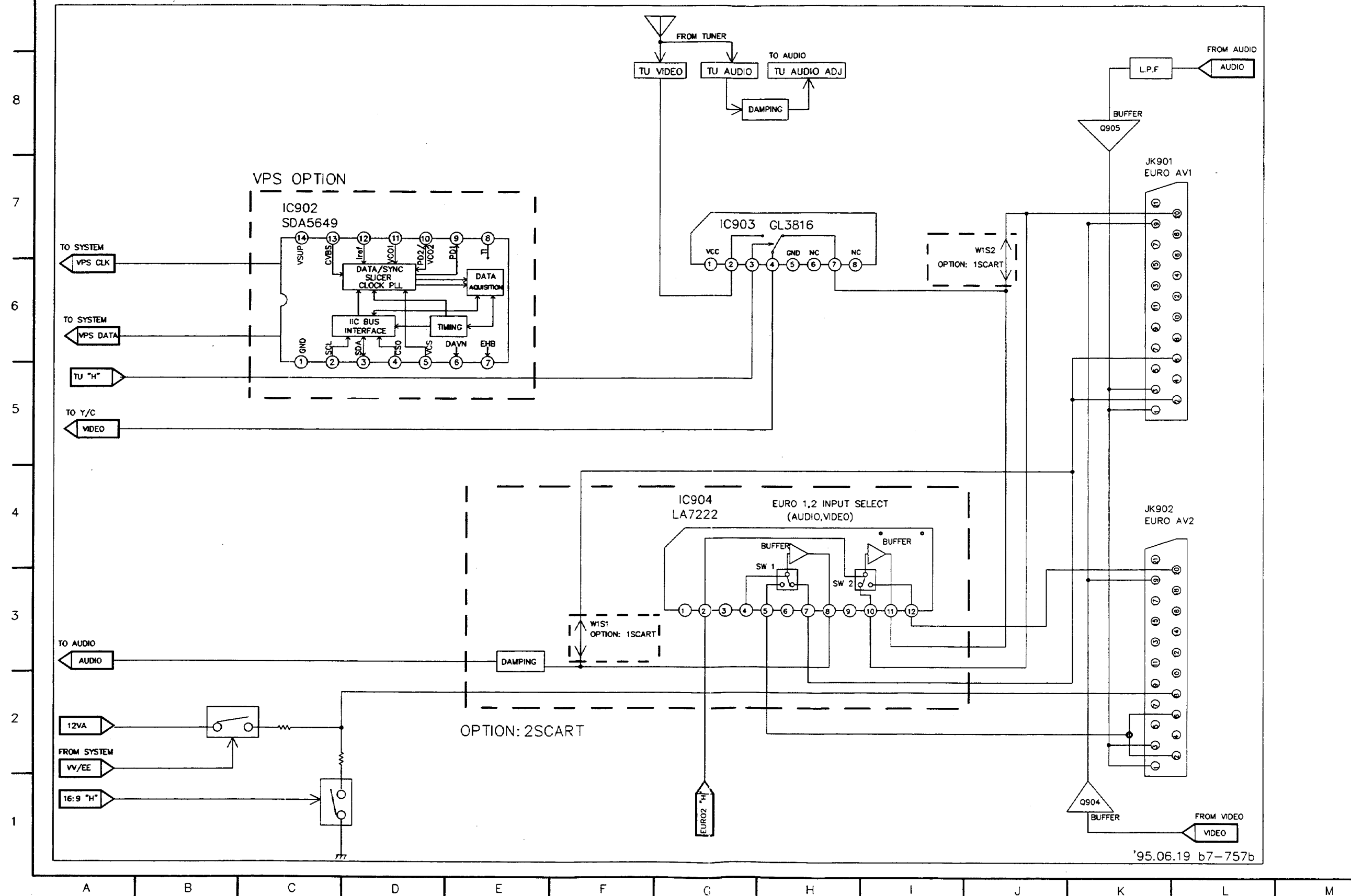
Maintain the input gain in adjusting AGC faithfully.

# BLOCK DIAGRAMS

## 1. Power (SMPS) Block Diagram



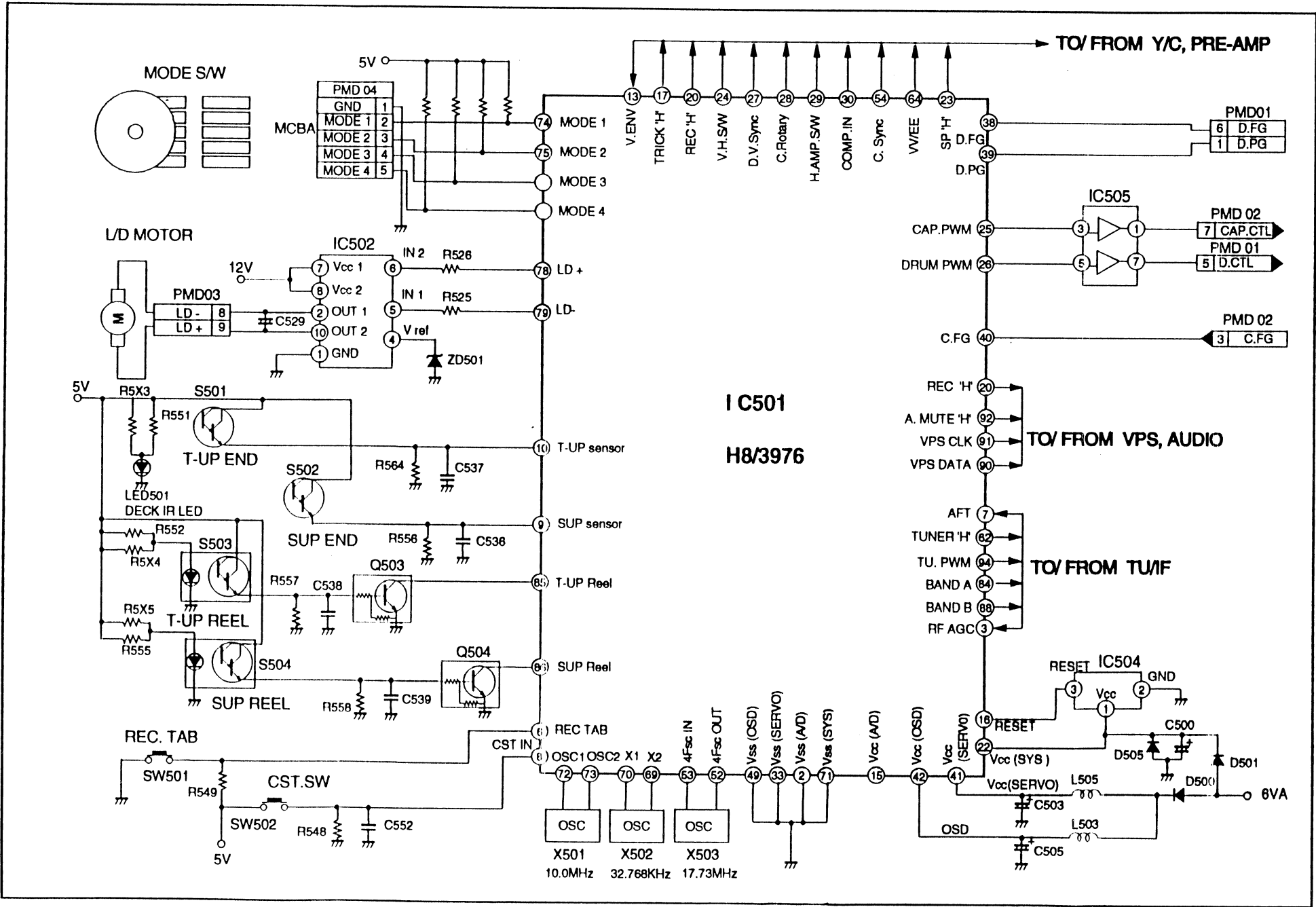
## 2. Jack Block Diagram



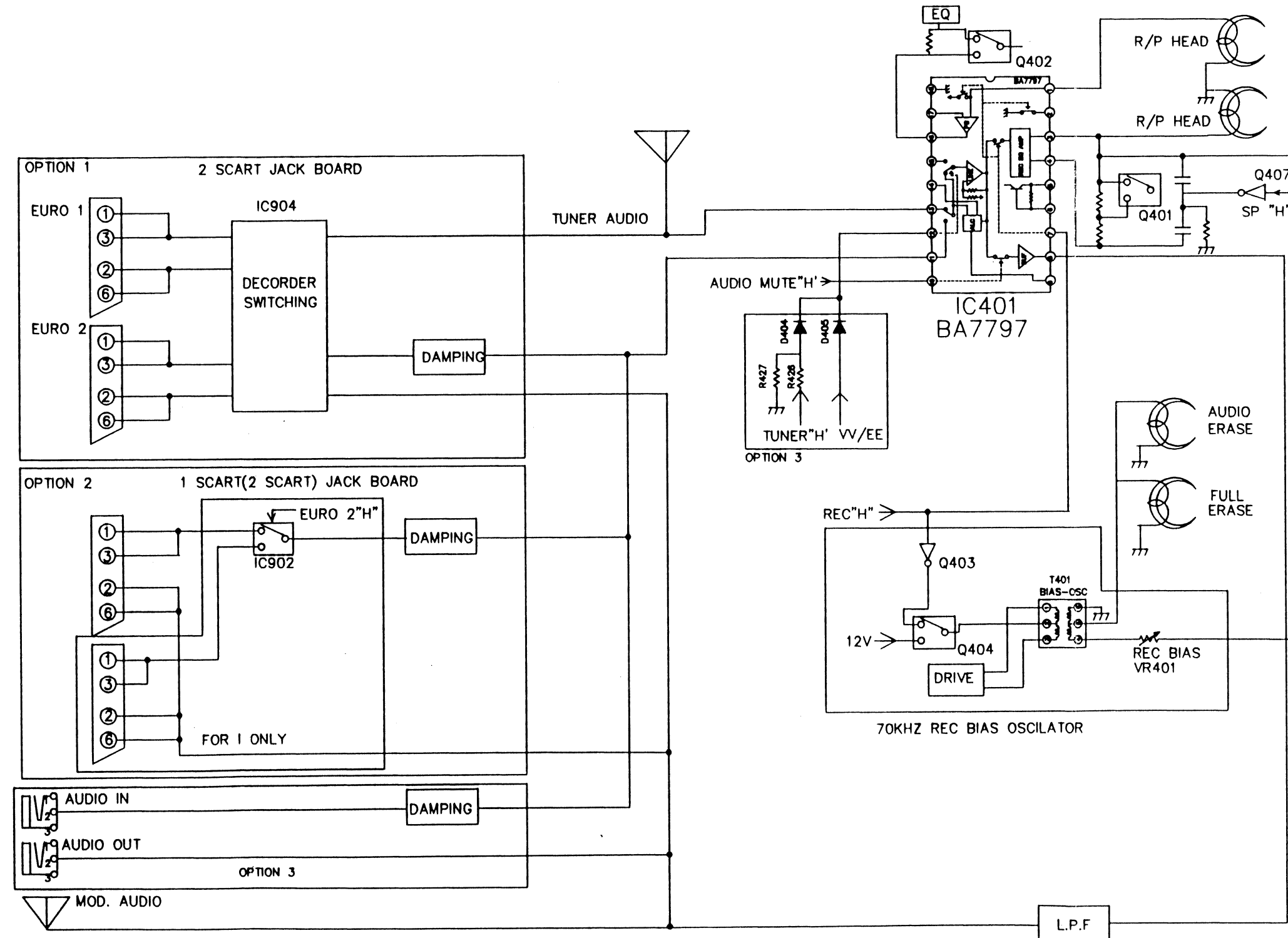


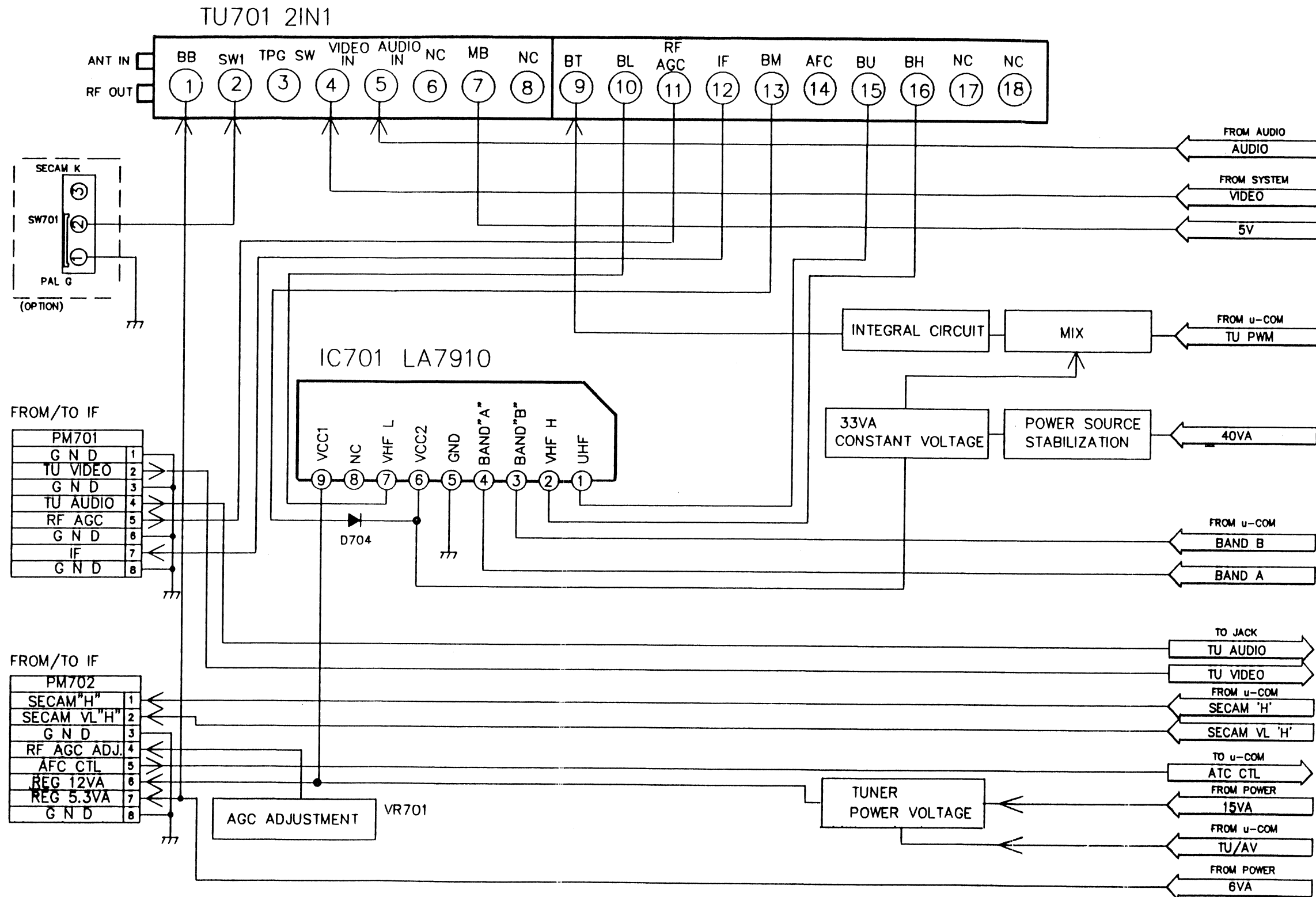
# 3. Servo/Syscon & Audio & Tuner & IF Block Diagrams

## • Servo/Syscon



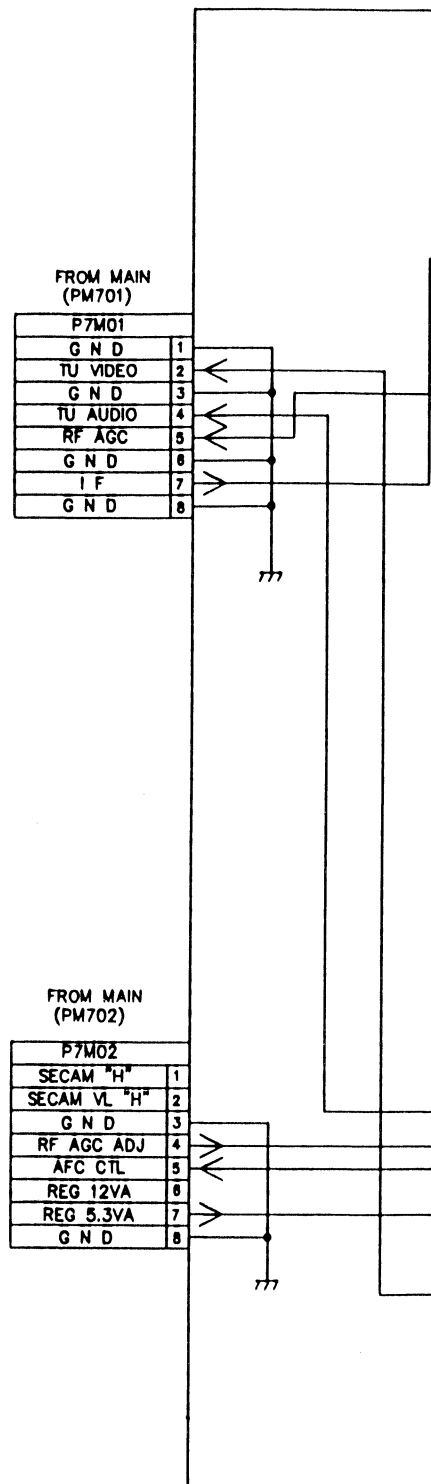
• Audio





3-7

3-8



3-9

• IF Block Diagram

FROM AUDIO  
AUDIO

FROM SYSTEM  
VIDEO

5V

FROM u-COM  
TU PWM

40VA

FROM u-COM  
BAND B

BAND A

TO JACK  
J AUDIO

J VIDEO

FROM u-COM  
SECAM 'H'

SECAM VL 'H'

FROM u-COM  
TC CTL

FROM POWER  
15VA

FROM u-COM  
TU/AV

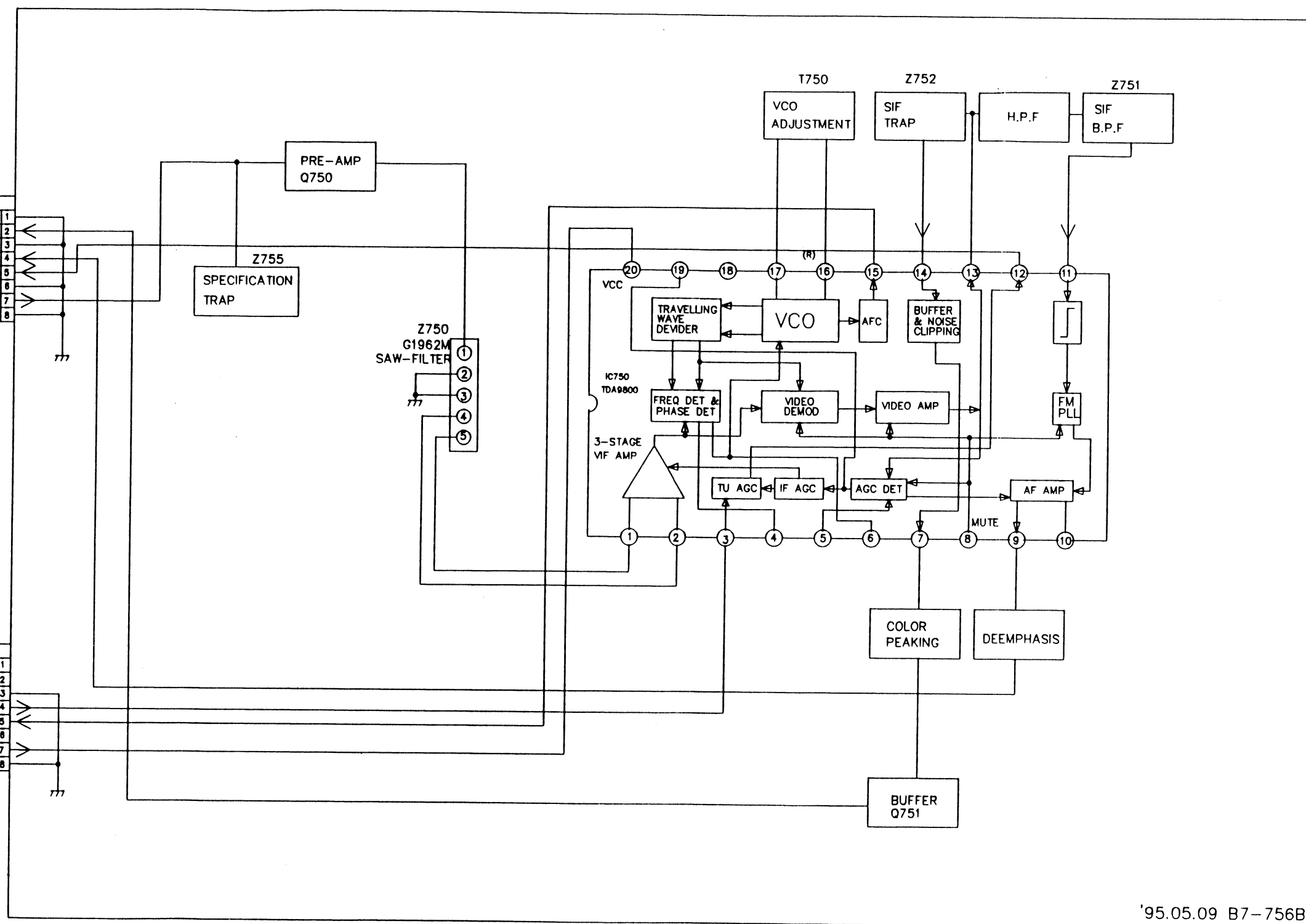
FROM POWER  
6VA

FROM MAIN  
(PM701)

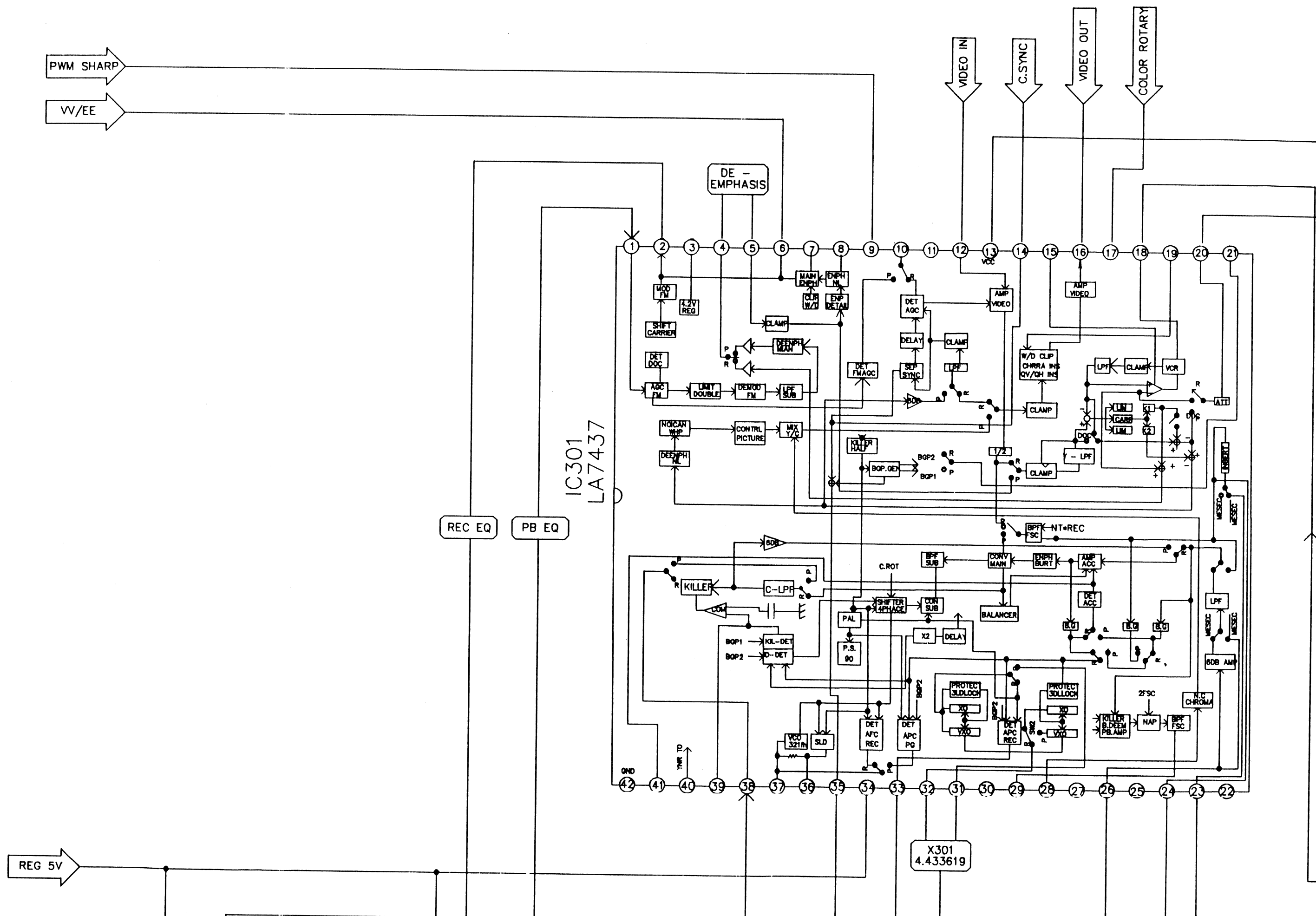
P7M01	
G N D	1
TU VIDEO	2
G N D	3
TU AUDIO	4
RF AGC	5
G N D	6
I F	7
G N D	8

FROM MAIN  
(PM702)

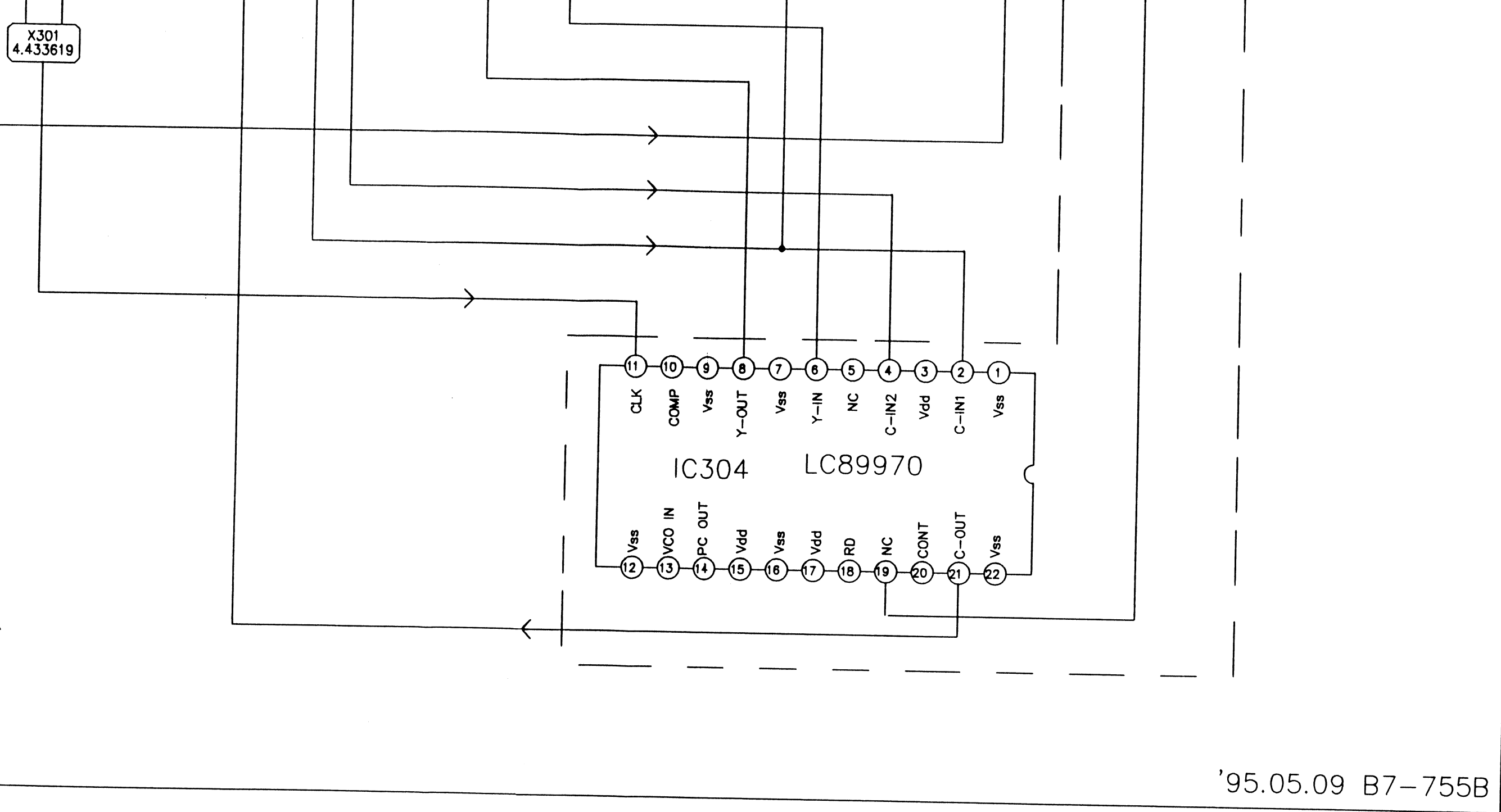
P7M02	
SECAM 'H'	1
SECAM VL 'H'	2
G N D	3
RF AGC ADJ	4
AFC CTL	5
REG 12VA	6
REG 5.3VA	7
G N D	8



#### 4. Y/C Block Diagram





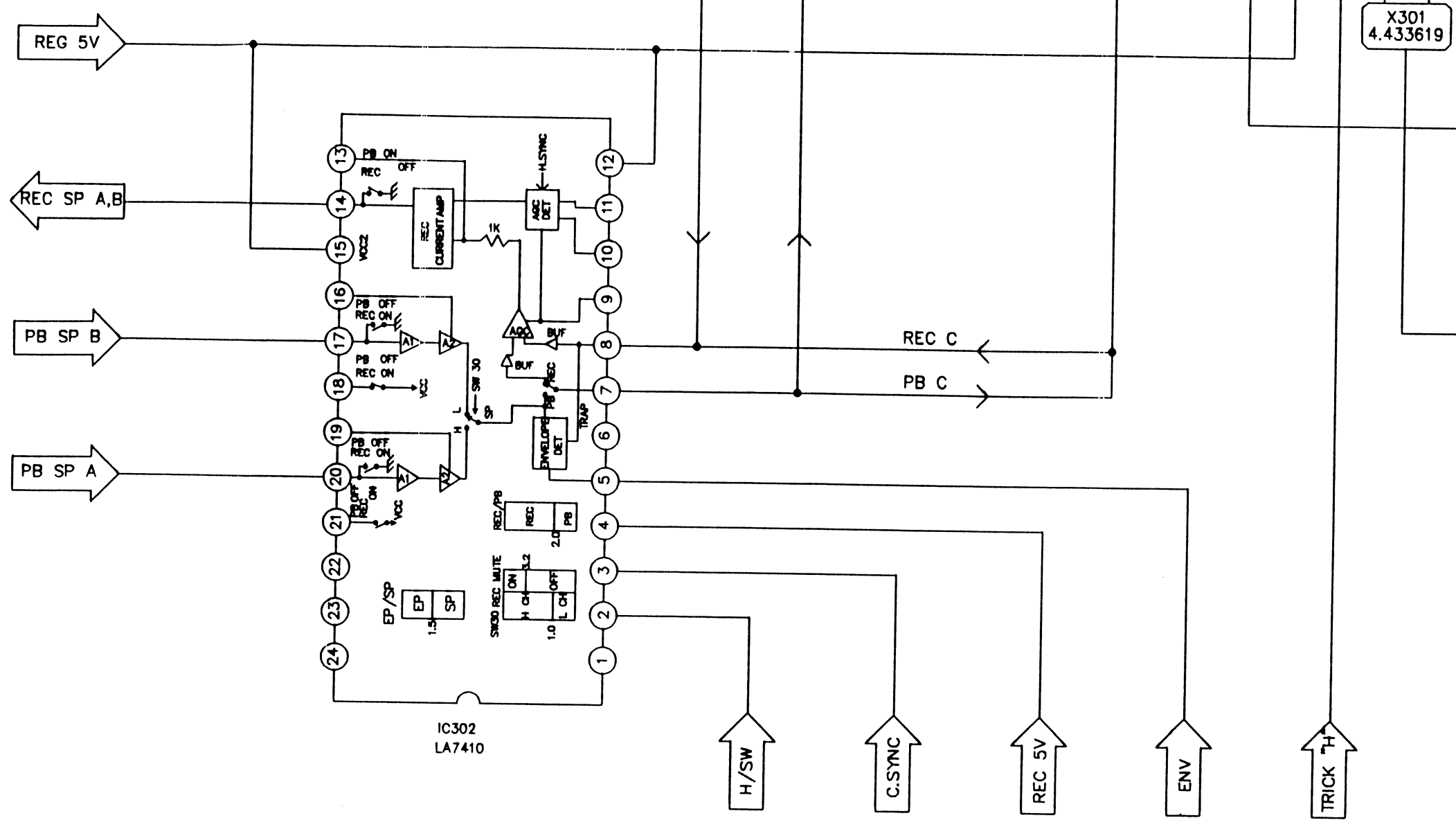


4

3

2

1



X301  
4.433619

A

B

C

D

E

F

G

H

I

3-11

3-12

3-13

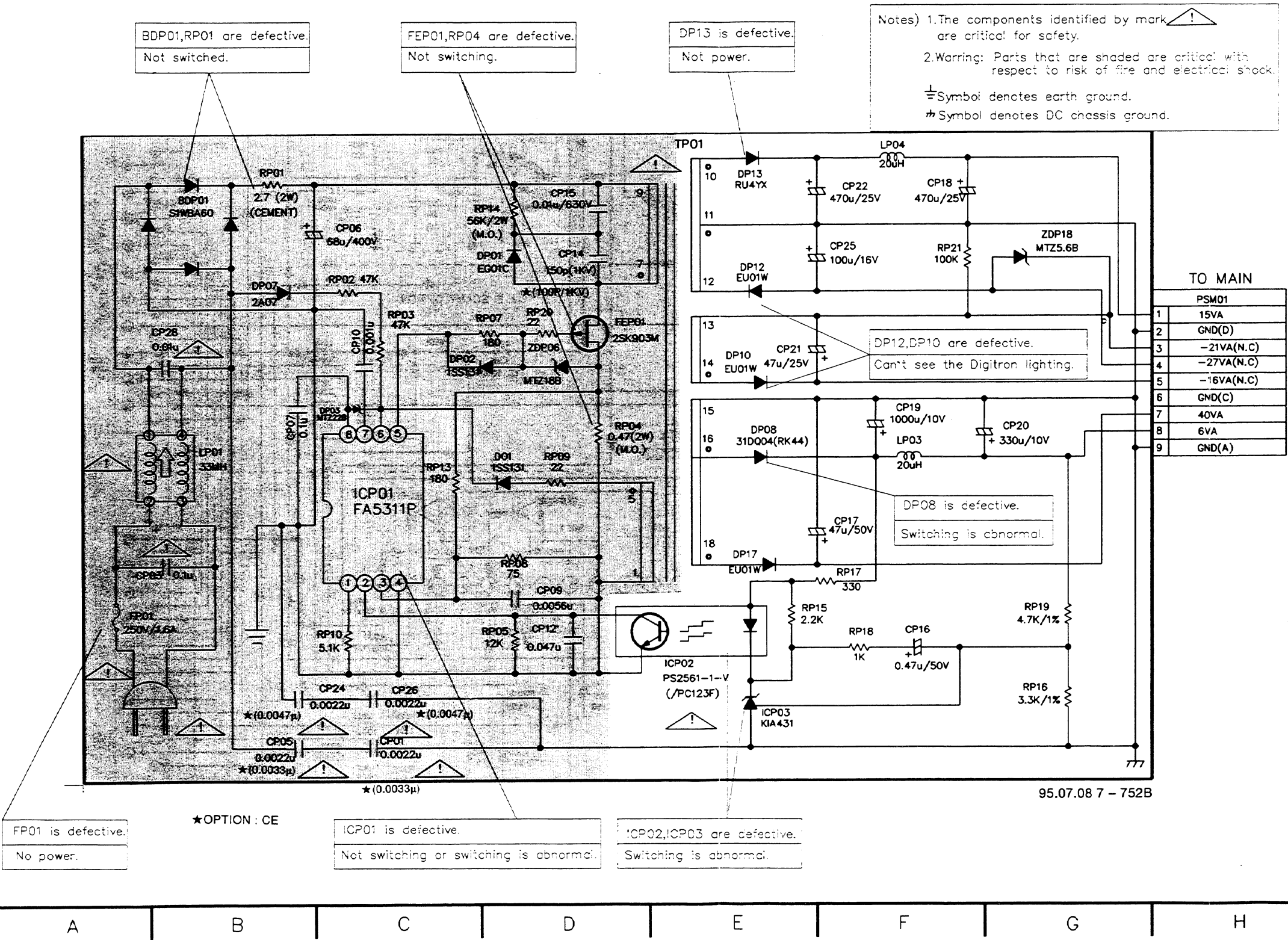


CIRCUIT DIAGRAMS

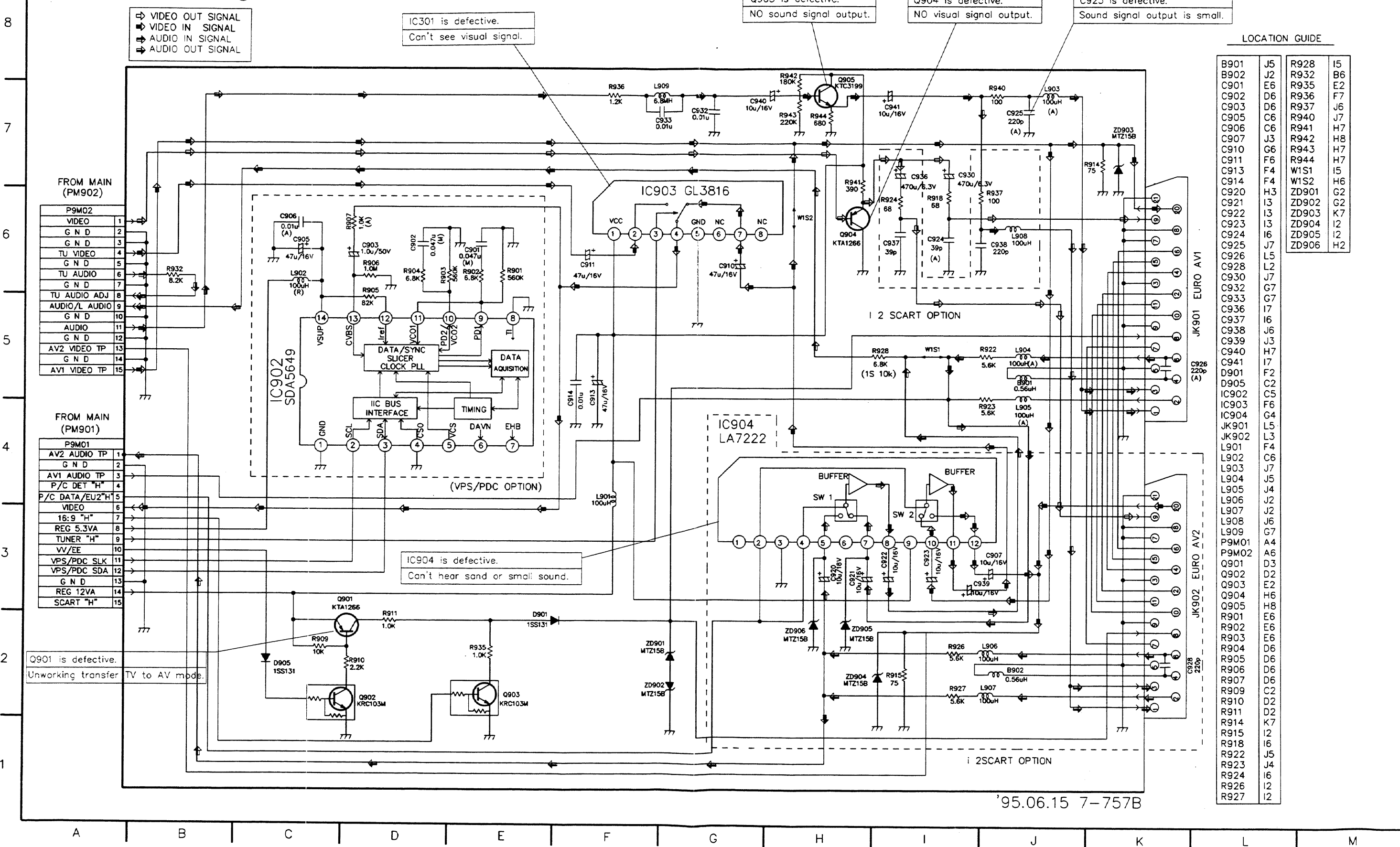
1. Power (SMPS) Circuit Diagram

LOCATION GUIDE

BDP01	B5	RP18	F2
CP01	B1	RP19	G2
CP03	A2	RP20	D4
CP05	C1	RP21	F4
CP06	C5	ZDP06	D4
CP07	B3	ZDP18	G5
CP09	D2		
CP10	C4		
CP12	D2		
CP14	D4		
CP15	D5		
CP16	F2		
CP17	F3		
CP18	F5		
CP19	F3		
CP20	G3		
CP21	E4		
CP22	F5		
CP24	C2		
CP25	F4		
CP26	C2		
CP28	B4		
DO1	D3		
DP01	C4		
DP02	C4		
DP07	B4		
DP08	E3		
DP10	E4		
DP12	E4		
DP13	E5		
DP17	E3		
FEP01	D4		
FP01	A2		
ICP01	C3		
ICP02	E2		
ICP03	E2		
LP01	B3		
LP03	F3		
LP04	F5		
PSM01	H4		
RP01	B5		
RP02	C4		
RP03	C4		
RP04	D3		
RP05	D2		
RP07	C4		
RP08	D3		
RP09	D3		
RP10	C2		
RP13	C3		
RP14	C5		
RP15	E2		
RP16	G2		
RP17	F2		



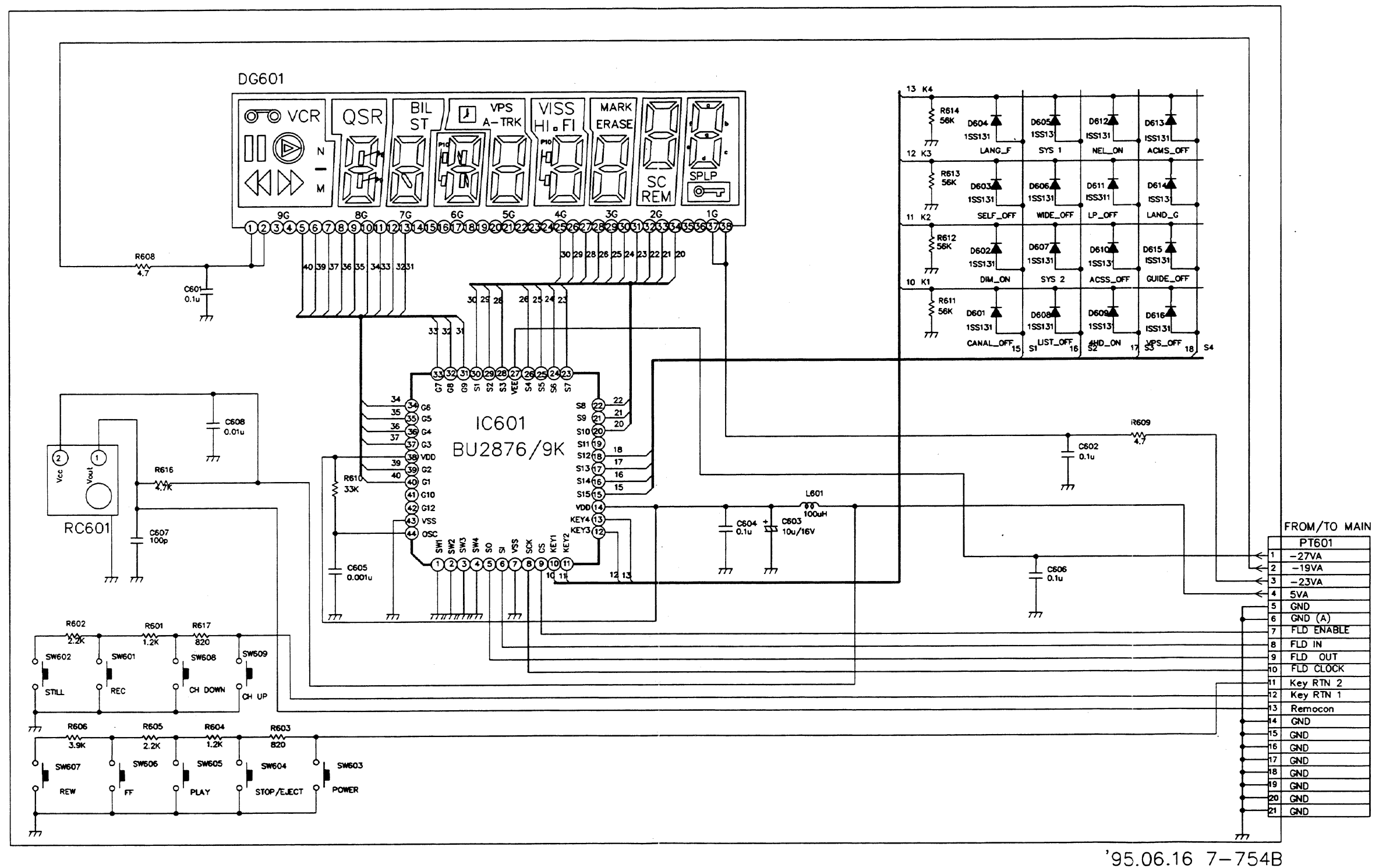
# 2. Jack Circuit Diagram



LOCATION GUIDE			
B901	J5	R928	I5
B902	J2	R932	B6
C901	E6	R935	E2
C902	D6	R936	F7
C903	D6	R937	J6
C905	C6	R940	J7
C906	C6	R941	H7
C907	J3	R942	H8
C910	G6	R943	H7
C911	F6	R944	H7
C913	F4	W1S1	I5
C914	F4	W1S2	H6
C920	H3	ZD901	G2
C921	I3	ZD902	G2
C922	I3	ZD903	K7
C923	I3	ZD904	I2
C924	I6	ZD905	I2
C925	J7	ZD906	H2
C926	L5		
C928	L2		
C930	J7		
C932	G7		
C933	G7		
C936	I7		
C937	I6		
C938	J6		
C939	J3		
C940	H7		
C941	I7		
D901	F2		
D905	C2		
IC902	C5		
IC903	F6		
IC904	G4		
JK901	L5		
JK902	L3		
L901	F4		
L902	C6		
L903	J7		
L904	J5		
L905	J4		
L906	J2		
L907	J2		
L908	J6		
L909	G7		
P9M01	A4		
P9M02	A6		
Q901	D3		
Q902	D2		
Q903	E2		
Q904	H6		
Q905	H8		
R901	E6		
R902	E6		
R903	E6		
R904	D6		
R905	D6		
R906	D6		
R907	D6		
R909	C2		
R910	D2		
R911	D2		
R914	K7		
R915	I2		
R918	I6		
R922	J5		
R923	J4		
R924	I6		
R926	I2		
R927	I2		

'95.06.15 7-757B

### 3. Timer Circuit Diagram

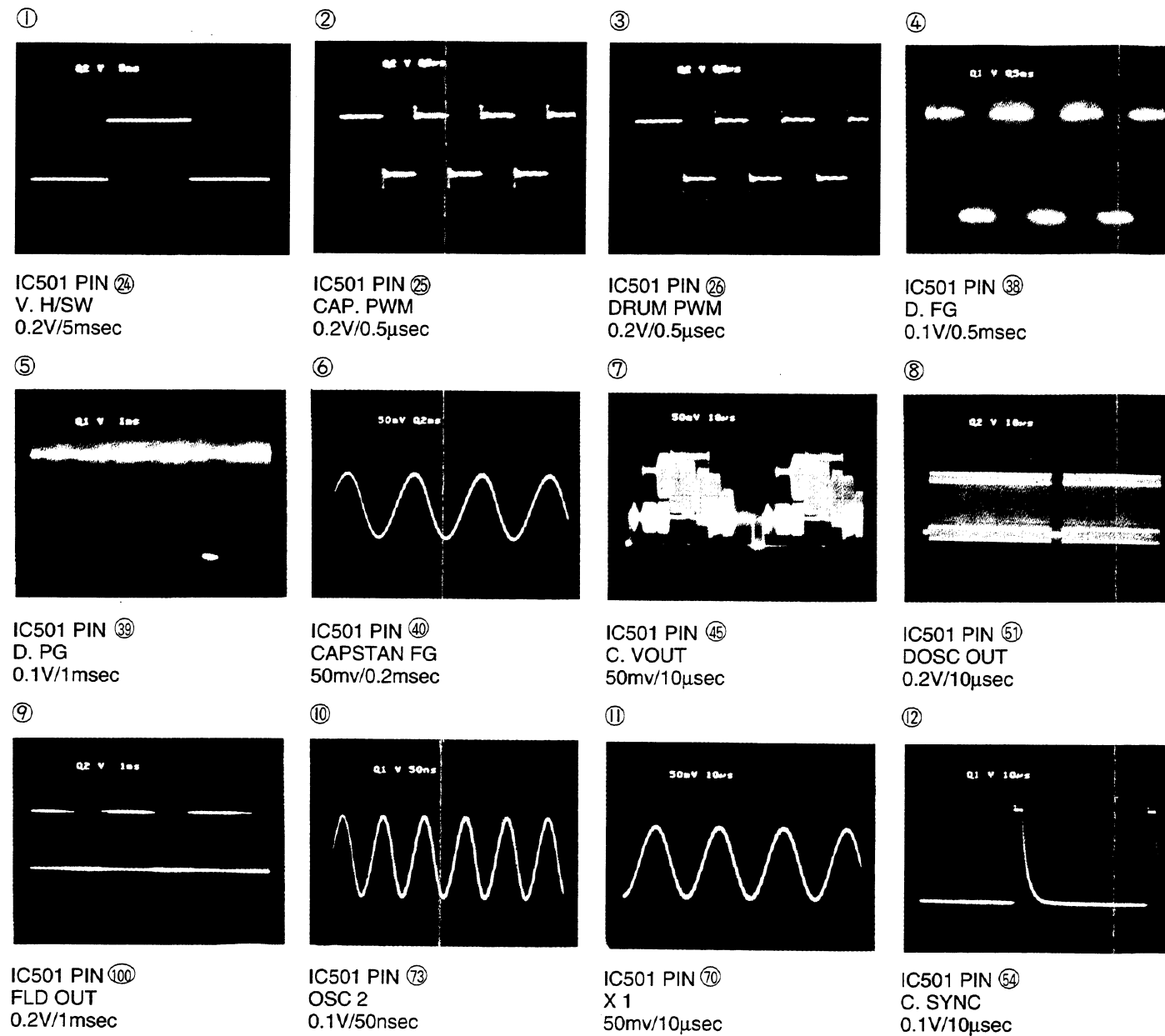


#### LOCATION GUIDE

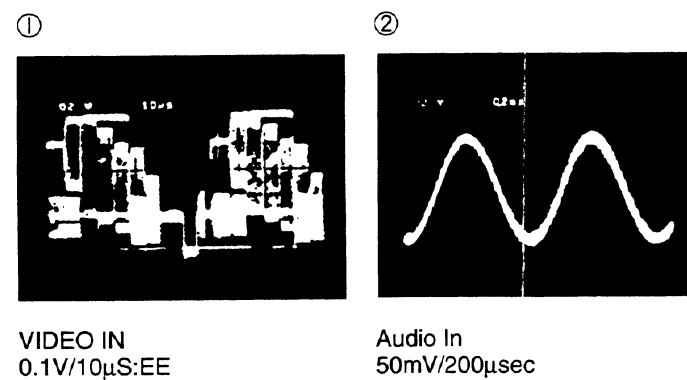
C601	C6
C602	I4
C603	G4
C604	G4
C605	D3
C606	I3
C607	B4
C608	C5
D601	I5
D602	I6
D603	I6
D604	I7
D605	I7
D606	I6
D607	I6
D608	I5
D609	J5
D610	J6
D611	J6
D612	J7
D613	J7
D614	J6
D615	J6
D616	J5
DG601	E7
IC601	E4
L601	G4
PT601	K4
R601	B3
R602	B3
R603	C2
R604	C2
R605	B2
R606	B2
R608	B6
R609	J4
R610	D4
R611	H5
R612	H6
R613	H6
R614	H7
R616	B4
R617	C3
RC601	B4
SW601	B3
SW602	A3
SW603	D2
SW604	C2
SW605	C2
SW606	B2
SW607	B2
SW608	C3
SW609	C3

'95.06.16 7-754B

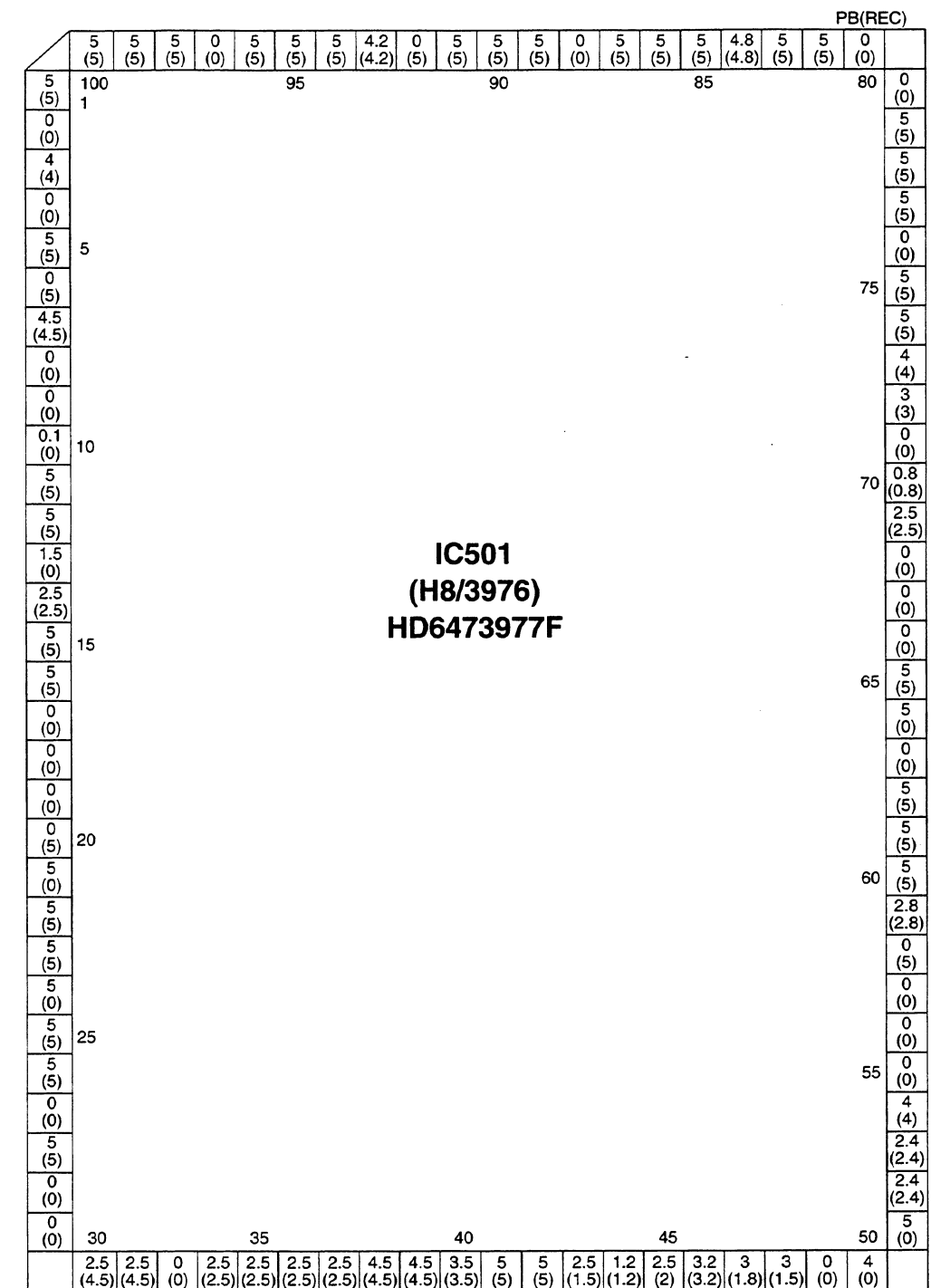
## ★ Servo Oscilloscope Waveform



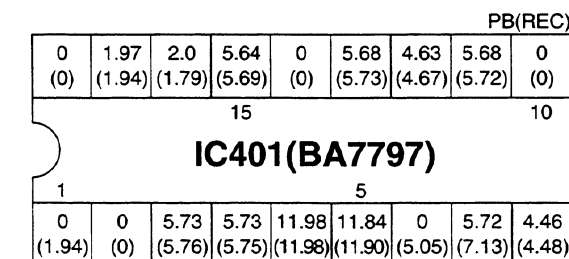
### ★ Tuner Oscilloscope Waveform



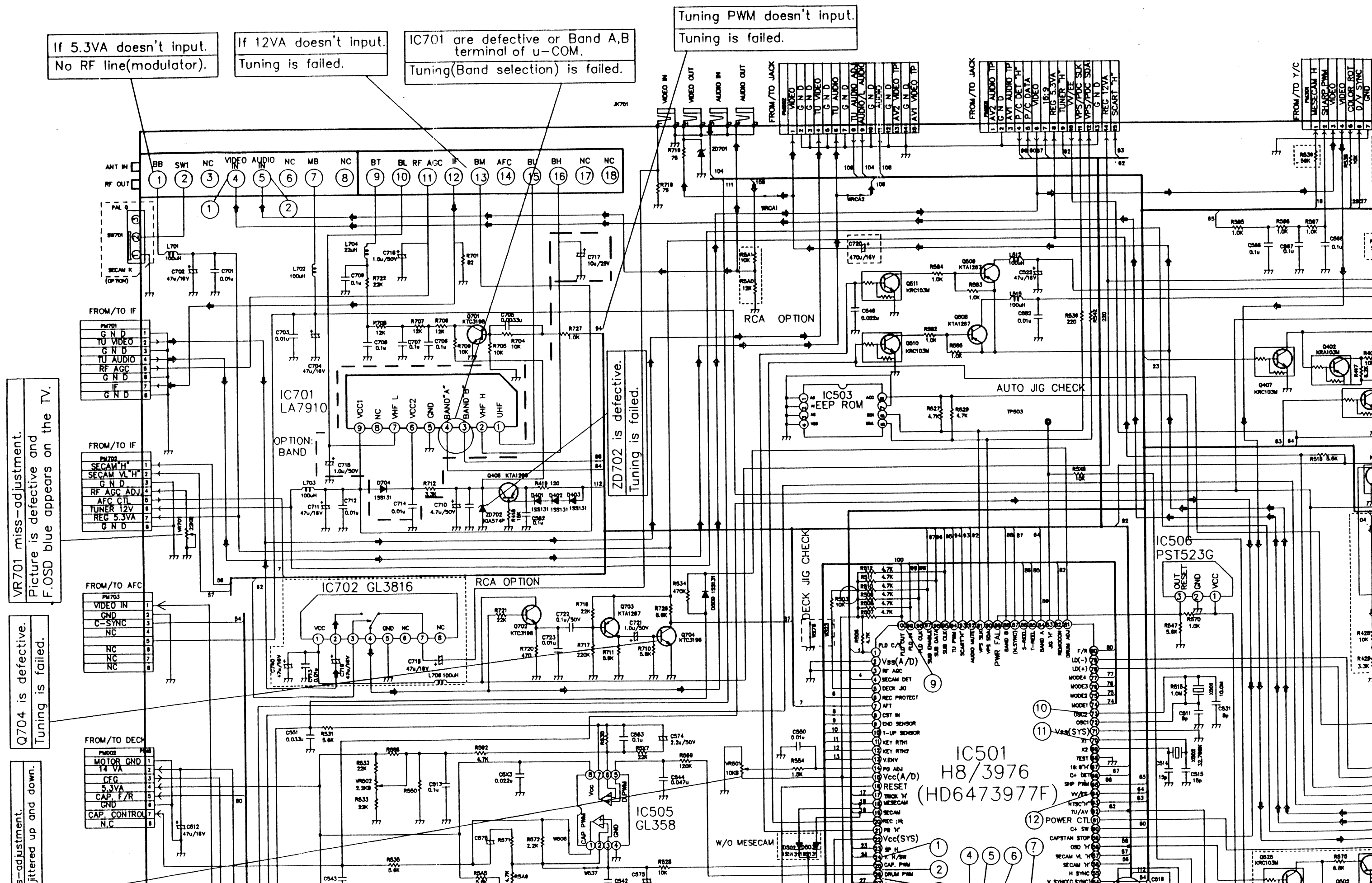
## ★ Servo/Syscon IC Voltage Sheet



## ★ Audio IC Voltage Sheet

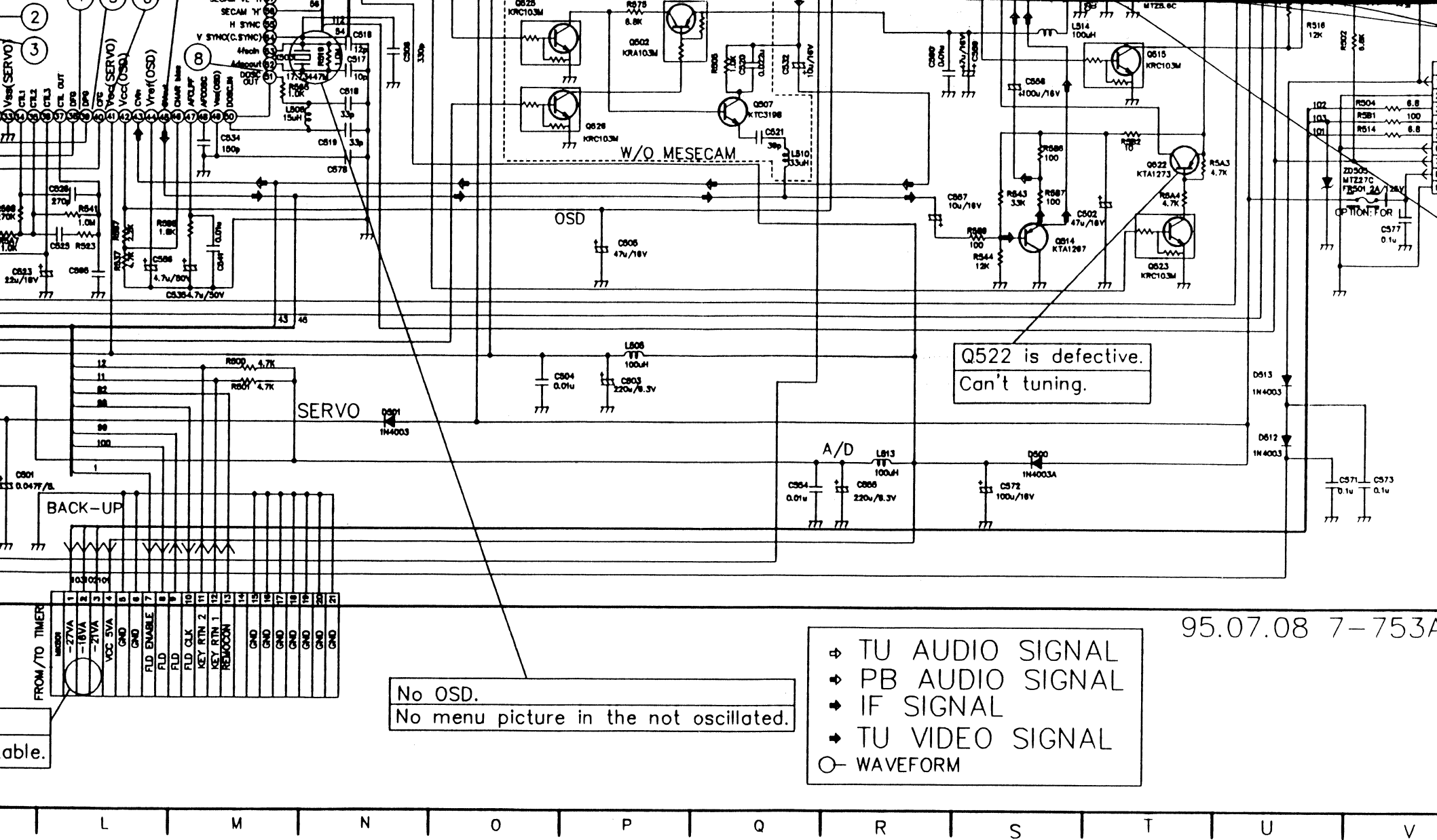


#### 4. Servo/Syscon & Audio & Tuner Circuit Diagrams









3-25

3-26

L401	Q10	R565	M6	R540	G5
L402	S11	R566	E8	R541	L5
L403	T12	R567	L5	R542	L5
L501	J3	R568	K5	R543	S5
L503	P5	R569	H8	R544	S5
L505	P4	R570	N9	R545	G5
L506	M6	R571	F7	R546	G5
L508	T8	R572	G7	R547	N9
L510	Q5	R573	Q14	R548	G4
L512	L13	R574	Q15	R549	F4
L513	R3	R575	P6	R550	E7
L514	S6	R576	P13	R551	D3
L515	L13	R580	C4	R552	D4
L516	D6	R581	C5	R554	J8
L701	C14	R583	L13	R555	D3
L702	D13	R584	K13	R708	E13
L703	D11	R585	L12	R709	F12
L704	E14	R586	S5	R710	H9
L706	F9	R587	S5	R711	H9
LED501	D3	R588	T7	R712	F11
MK501	L2	R589	S5	R716	G9
PM301	P15	R590	U8	R717	G9
PM302	S15	R591	C5	R718	H14
PM701	B13	R592	F8	R719	H15
PM702	B11	R593	C4	R720	G9
PM703	B10	R594	C4	R721	F9
PM901	L15	R595	O14	R722	E13
PM902	J15	R596	O14	R726	H9
PMD01	B6	R597	P14	R727	G13
PMD02	B8	R598	L5	S501	E6
PMD03	V13	R599	C4	S502	E5
PMD04	B5	R5A0	I13	S503	E4
PMD05	B4	R5A1	I13	S504	E3
PMP01	V6	R5A2	O7	SW501	G4
Q401	R12	R5A3	T5	SW502	G5
Q402	P12	R5A4	T5	SW701	B14
Q403	Q8	R5A5	F6	T401	S10
Q404	Q8	R5A6	F6	TP503	L12
Q405	R10	R5A7	K5	TU701	C15
Q406	F11	R5A8	K4	X501	O8
Q407	O12	R5A9	G6	X502	N8
Q408	Q12	R5X1	T8	X503	M6
Q501	V9	R5X2	T8	ZD501	R8
Q502	P6	R5X3	C3	ZD502	V7
Q503	F3	R5X4	D4	ZD503	V8
Q504	F2	R5X5	D3	ZD504	T7
Q506	T7	R5X7	H8	ZD505	U5
Q507	Q6	R5X8	M11	ZD701	I15
Q508	L13	R701	F13	ZD702	F10
Q509	L13	R704	G12		
Q510	K12	R705	F12		
Q511	K13	R706	F13		
Q513	V7	R707	E13		
VR401	S10	W105	S12		
VR501	I8	W106	S12		
VR502	E7	W278	J9		
VR701	C10	W322	U13		
		W323	J9		
		W508	G7		
		W537	G6		

VR501 mis-align  
Screen is jitter

FROM/TO DECK

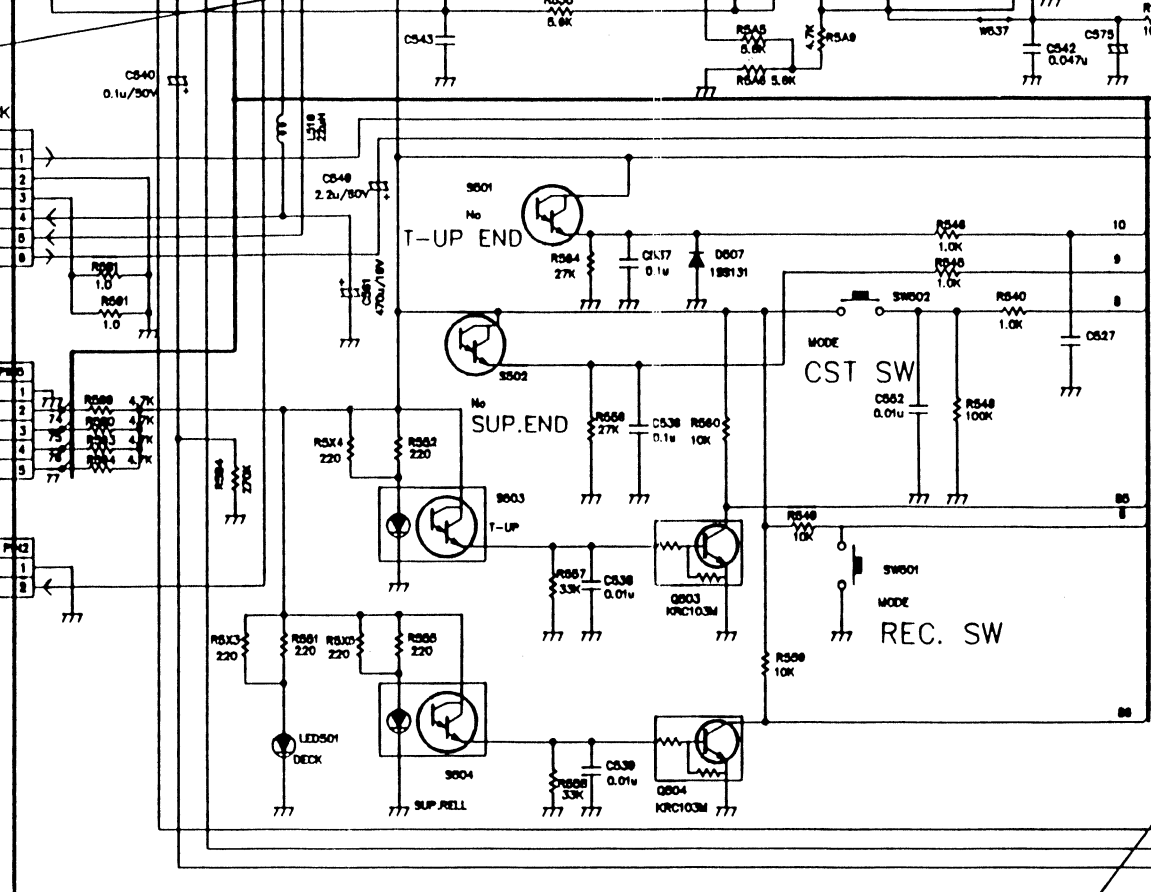
PM001	1
DPG +	2
GND	3
MOTOR GND	4
12V	5
D. CONTROL	6
DFQ(+)	7

FROM DECK

PM004	1
MODE S1	2
MODE S2	3
MODE S3	4
MODE S4	5

TO DECK

PM008	1
GND	2
FULL ERASE	3



IC504  
PST523G

U-COM VCC

BACK-UP

FROM/TO TIMER

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V

No OSD.  
No menu picture in the not

IC501 is not operated  
when the waveform is abnormal.  
All function keys is not operating.

No power.  
Digitron don't display or is unstable.

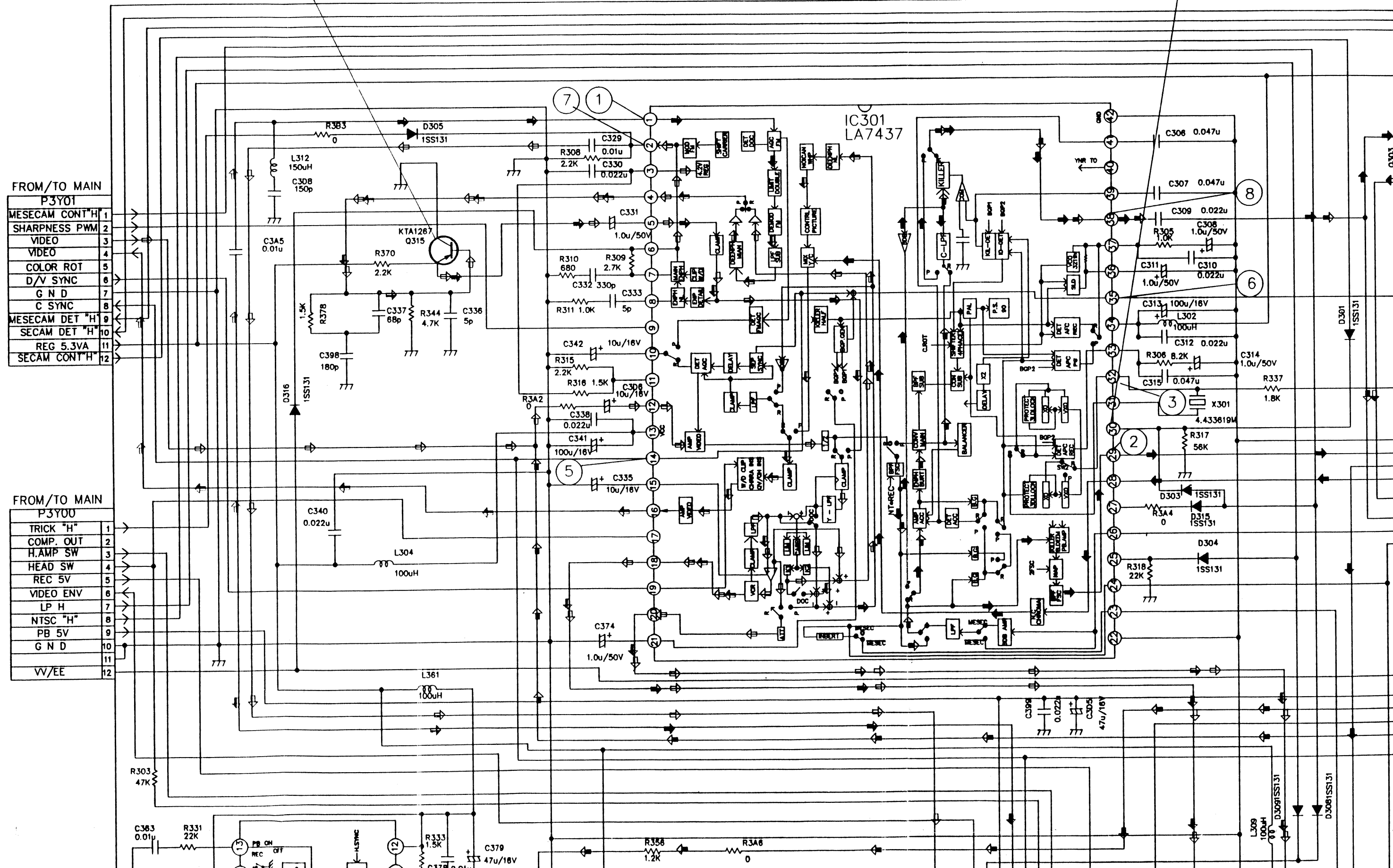
A B C D E F G H I J K L M N O P



## 5. Y/C Circuit Diagram

Q315 is defective.  
Playback screen doesn't appear.

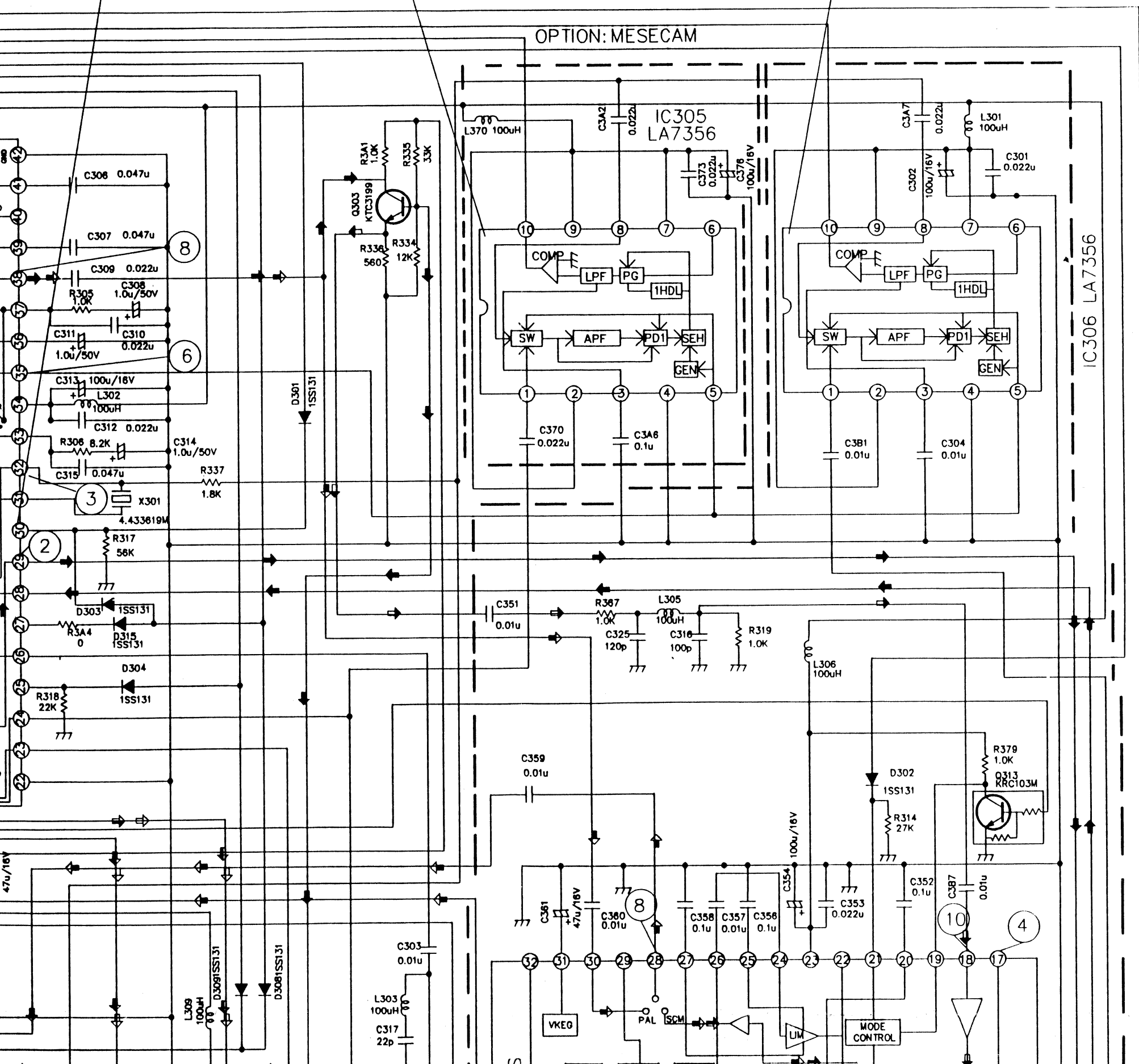
IC301 Pin30 is defective.  
PAL,MESECAM mode detecty is failed.  
Color signal is unstable.



defective.  
mode detecty is failed.  
unstable.

IC305 is defective.  
MESECAM mode detecty is failed.

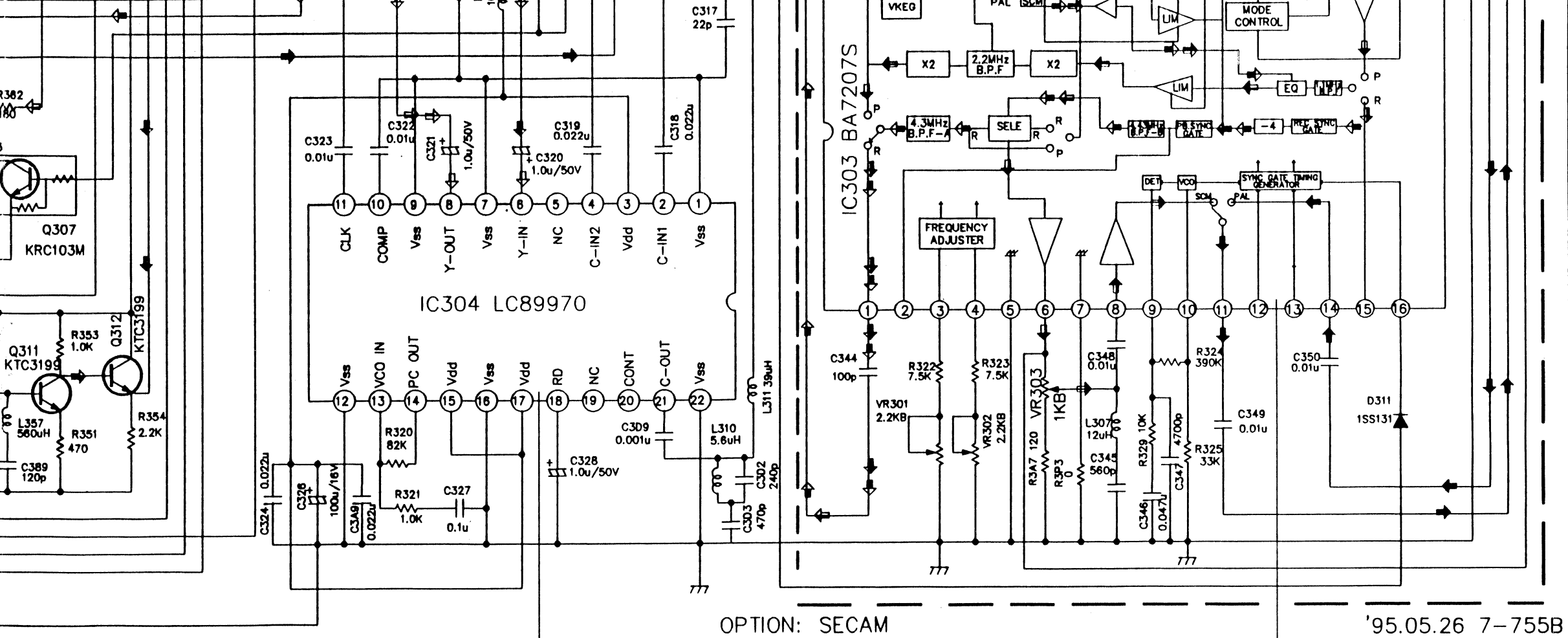
IC306 is defective.  
SECAM mode detecty is failed.



# LOCATION GUIDE

C301	P10	IC304	J14
C302	O10	IC305	I13
C303	L5	IC306	I14
C304	O8	L301	O10
C305	E2	L302	J9
C306	J10	L303	L5
C307	J10	L304	D7
C308	J9	L305	M7
C309	J10	L306	N7
C310	J9	L307	N2
C311	J9	L309	J5
C312	J9	L310	L2
C313	J9	L311	L2
C314	J8	L312	C10
C315	J8	L315	F3
C316	M7	L350	E3
C317	L5	L353	G4
C318	K4	L354	F2
C319	K4	L355	G3
C320	K4	L356	G3
C321	J4	L357	H2
C322	J4	L358	G4
C323	I4	L359	G4
C324	I2	L361	D6
C325	M7	L370	L10
C326	I2	L371	F4
C327	J2	L372	F4
C328	K2	P3Y00	A7
C329	E10	P3Y01	A10
C330	E10	Q303	K10
C331	F10	Q307	H3
C332	E9	Q308	E4
C333	F9	Q309	F2
C335	E8	Q310	G3
C336	D9	Q311	H3
C337	D9	Q312	H3
C338	E8	Q313	P6
C340	C7	Q315	D9
C341	E8	R301	E2
C342	E9	R302	E2
C343	G4	R303	B5
C344	L3	R305	J9
C345	N2	R306	J8
C346	N2	R308	E10
C347	N2	R309	E9
C348	N3	R310	E9
C349	O2	R311	E9
C350	O3	R314	O6
C351	L7	R315	E8
C352	O6	R316	E8
C353	O5	R317	J8
C354	N6	R318	I7
C355	H4	R319	N7
C356	N5	R320	J2
C357	N5	R321	J2
C358	N5	R322	M3
C359	M6	R323	M3
C360	M5	R324	N3
C361	M5	R325	N2
C363	B5	R329	N2
C365	B4	R331	B5
C366	B4	R333	D5
C367	B4	R334	L10
C368	B3	R335	L10
C370	M9	R336	K10
C373	N10	R337	J8
C374	E6	R338	E2
C376	N10	R339	E3
C378	D5	R340	F3
C379	D5	R341	F3
C380	D4	R342	F3
C381	E4	R343	G4
C382	E3	R344	D9
C383	E2	R345	F2
C385	F3	R347	G3
C386	G3	R348	G3
C387	G2	R349	G2
C388	G2	R350	G3

Frederick V1657



OPTION: SECAM

'95.05.26 7-755B

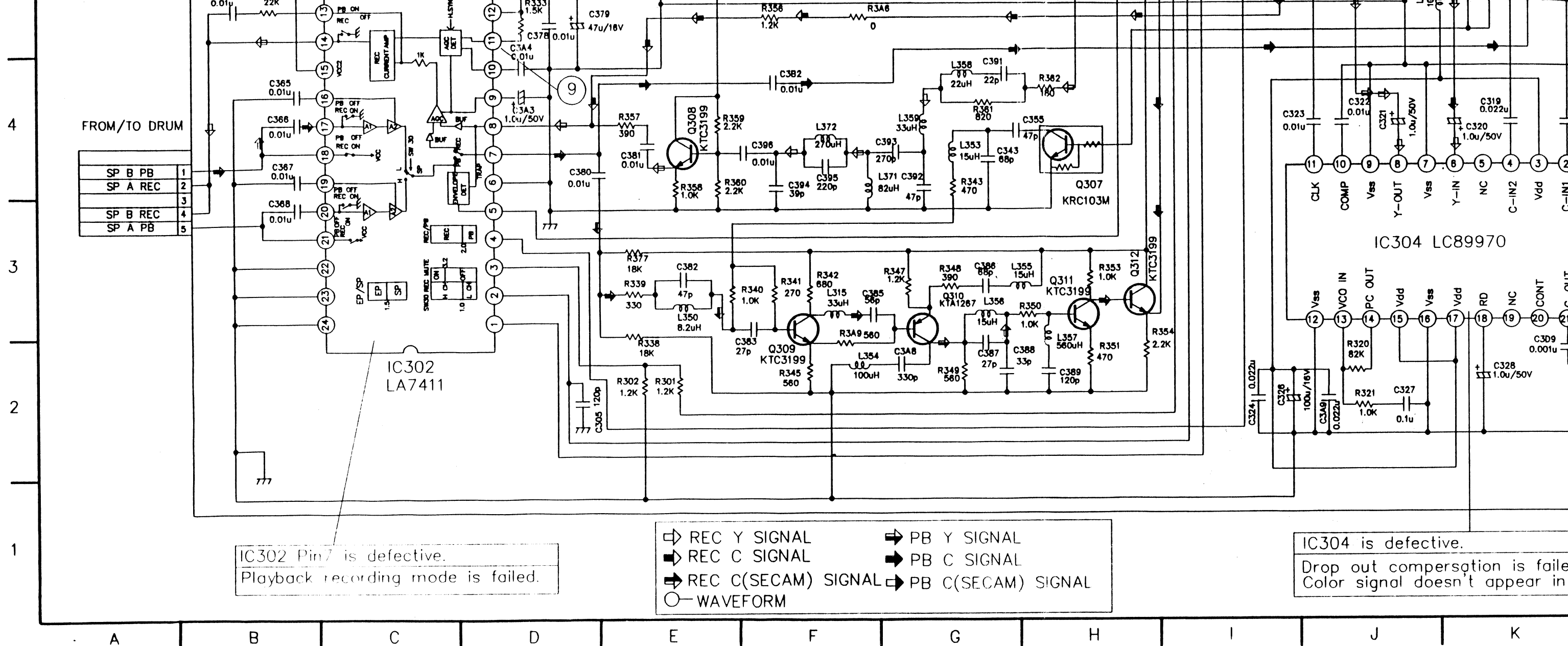
IC304 is defective.

Drop out compensation is failed.  
Color signal doesn't appear in the PB mode.

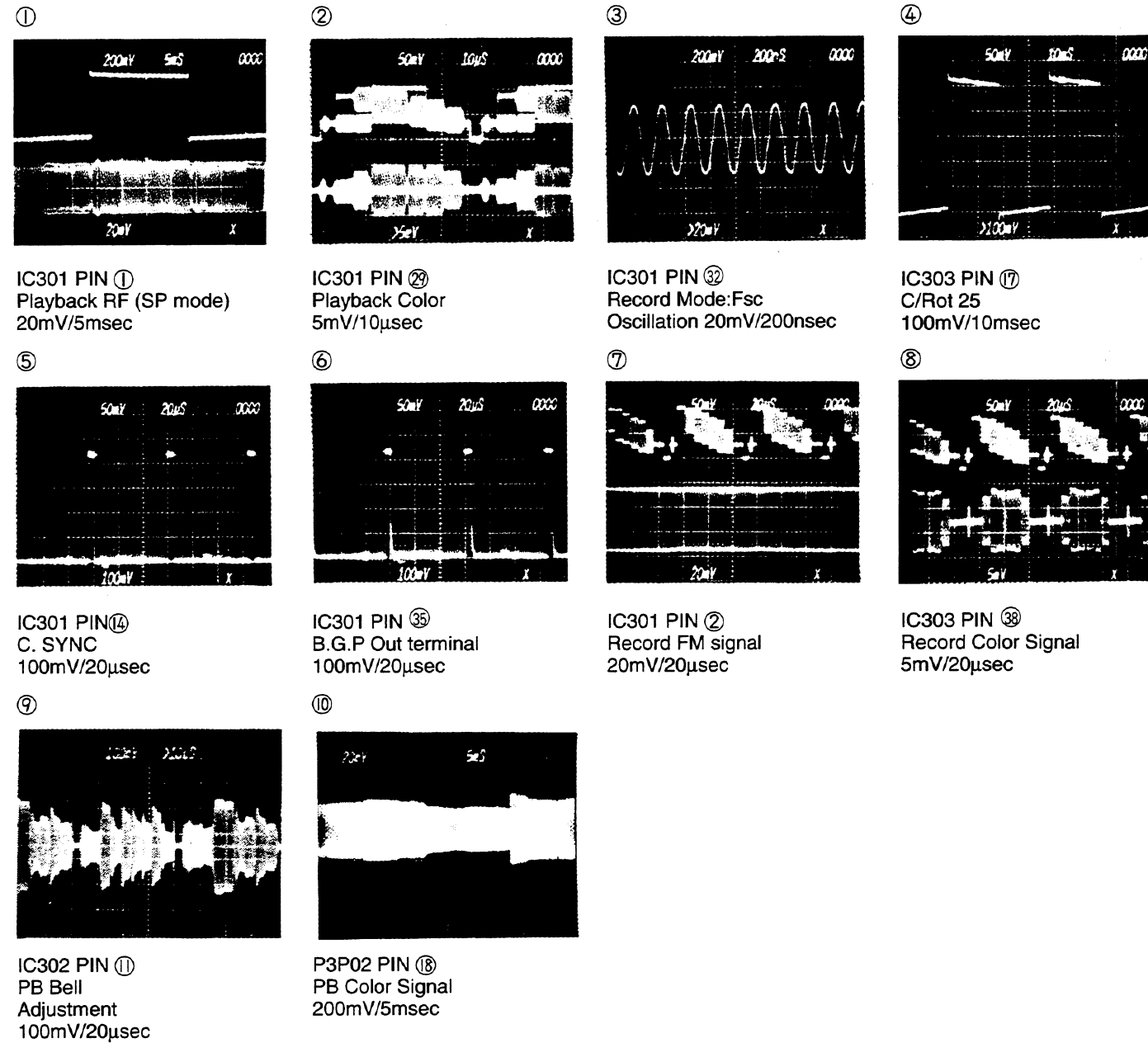
IC303 is defective.

SECAM mode is failed.  
Color signal doesn't appear in the PB and SECAM mode.

C386	G3	R348	G3
C387	G2	R349	G2
C388	G2	R350	G3
C389	H2	R351	H2
C391	G4	R353	H3
C392	G4	R354	H2
C393	F4	R356	F5
C394	F4	R357	E4
C395	F4	R358	E3
C396	F4	R359	E4
C398	C8	R360	E4
C399	I6	R361	G4
C3A2	M10	R362	H4
C3A3	D4	R367	M7
C3A4	D4	R370	D9
C3A5	C9	R377	E3
C3A6	M8	R378	C9
C3A7	O10	R379	P6
C3A8	G2	R3A1	L10
C3A9	J2	R3A2	E8
C3B1	O8	R3A4	J7
C3B2	F4	R3A6	F5
C3B7	O6	R3A7	M2
C3D2	L2	R3A9	F2
C3D3	L2	R3B3	C10
C3D5	I6	R3P3	N2
C3D6	F8	VR301	M3
C3D8	C10	VR302	M2
C3D9	K2	VR303	N2
D301	K9	X301	J8
D302	O6		
D303	J7		
D304	J7		
D305	D10		
D308	K5		
D309	K5		
D311	O3		
D315	J7		
D316	C8		
IC301	H13		
IC303	J13		



# ★ Y/C Oscilloscope Waveform



# ★ IC Voltage Sheet

PB(REC)																				
0	1.8	2	1.9	3.1	2.8	2.8	4	4.9	2	2.8	3.8	1	2.5	1.8	0	2.4	0.6	2.4	2.4	0
(0)	(0.9)	(2)	(1.9)	(2.2)	(1.6)	(2)	(1.5)	(5)	(2)	(2.8)	(3.8)	(1)	(0)	(1.8)	(0)	(2.4)	(0.6)	(2.4)	(2.4)	(0)
40					35					30					25					
IC301 (LA7437)																				
1		5				10				15				20						
3.2	3.4	4.2	3	3.1	4.7	4.7	3.1	2.5	1.8	2.8	3.1	4.9	3.5	3	1.5	5	2.1	2.1	1.1	2
(2.3)	(3.2)	(4.2)	(2.4)	(3)	(2)	(2)	(2.8)	(2.5)	(1.8)	(2.8)	(3.1)	(4.9)	(3.5)	(4)	(1.5)	(5)	(2.1)	(0)	(1.1)	(2)

PB(REC)										MESECAM(PAL)									
0.7	0	2.0	0.7	0	0	0	0.7	2.0	0	0.7	2.0	0	0	2.5					
(0)	(4.2)	(3.6)	(0)	(4.2)	(0)	(4.2)	(0)	(3.6)	(4.2)	(0)	(3.6)	(4.2)	(4.2)	(1.7)					
30					25					20									
IC302 (LA7417)																			
1		5				10				15									
2.0	0	4.5	0	5	1.5	0	2	0	2.3	0	0	2.5	5.0	5					
(3.6)	(0)	(0)	(0)	(5)	(1.5)	(5)	(0)	(0)	(3.6)	(3.6)	(1.6)	(2.5)	(4.5)	(5)					

1					5					10					15				
4.5	5	0	5	2.5															
(0)																			

PB(REC)										OPTION : Mesecam										
0	1.4	0	5	8.4	5	0	5	1.9	1.9	0										
(0)	(1.4)	(0)	(5)	(8.4)	(5)	(0)	(5)	(1.9)	(1.9)	(0)										
20					15															
IC304 (LC89970)																				
1		5				10														
0	2.3	5	2.3	0	2.3	0	1.3	0	2.3	1.2										
(0)	(2.3)	(5)	(2.3)	(0)	(2.3)	(0)	(1.3)	(0)	(2.3)	(1.2)										

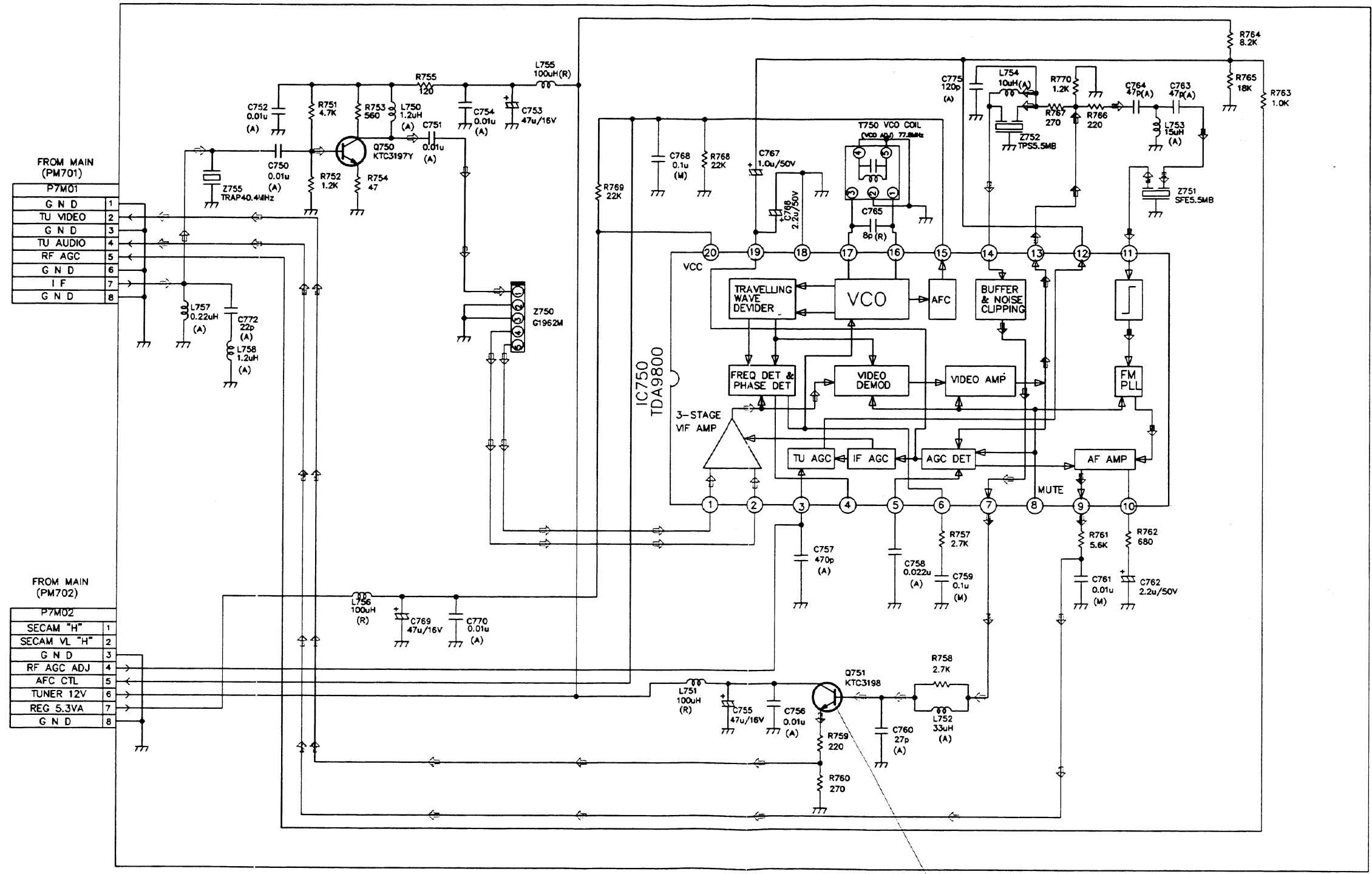
MESECAM(PAL)				
0	5	4	0	4
1		5		
10		6		
4.5	5	0	5	2.5
(0)				

OPTION : Mesecam

# ★ TR Voltage Sheet

PB(REC)			
Port	Emitter	Collector	Base
Q303	0.6(0)	1.8(0.4)	1.4(0)
Q307	0(0)	0(0)	0(0)
Q308	1.6(2)	4.5(0.5)	2.2(2.5)
Q309	1.8(0)	3(0.2)	2.5(0.2)
Q310	2.4(0.4)	1.3(0)	1.8(0)
Q311	0.6(0)	3.9(0.4)	1.3(0)
Q312	3(0)	5(0.4)	3.9(0.4)
Q315	3.4(3)	0(0)	3(2)

6. IF Circuit Diagram

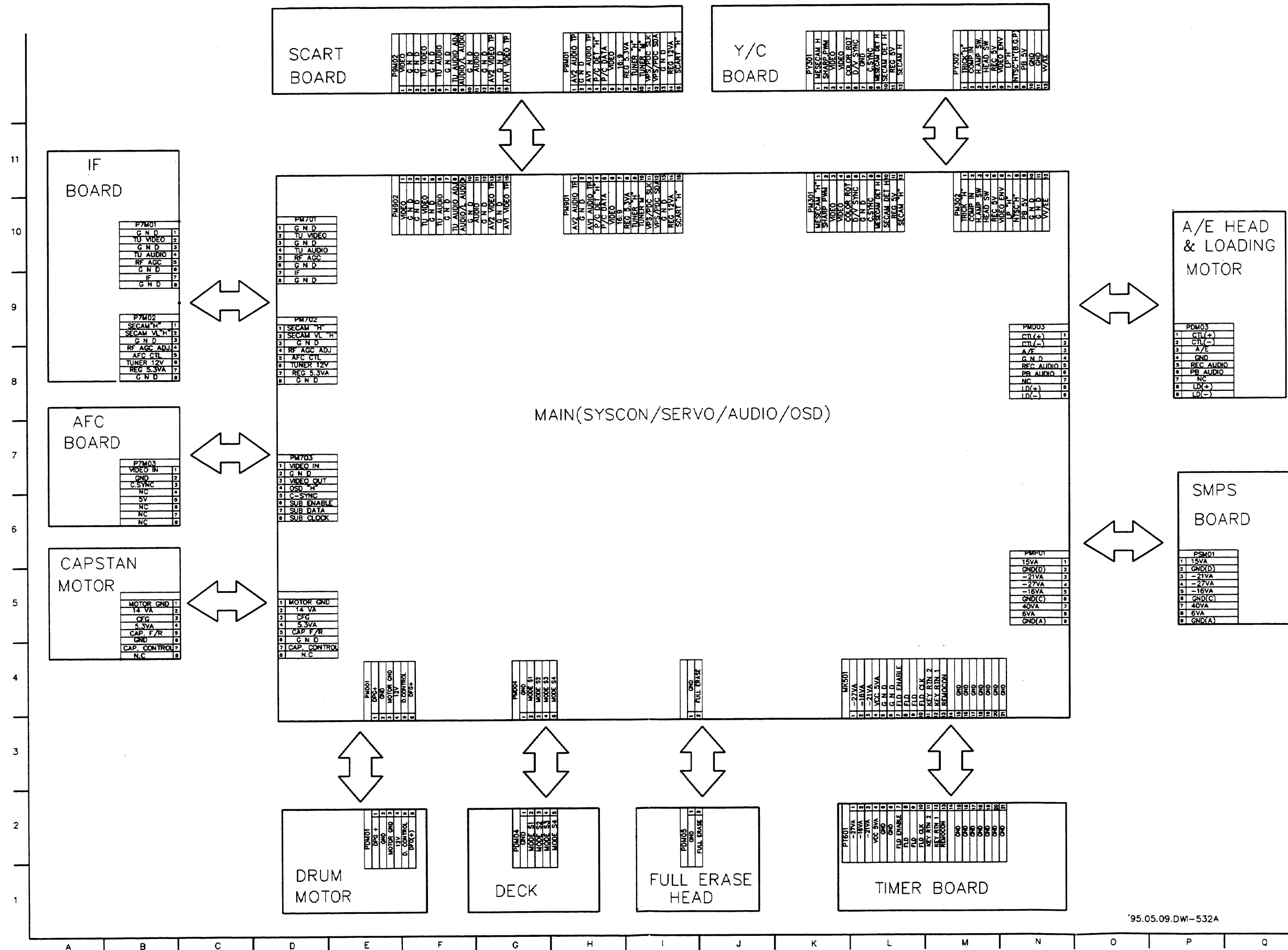


LOCATION GUIDE	
C750	C7
C751	D7
C752	C7
C753	E7
C754	E7
C755	G3
C756	G3
C757	G4
C758	H4
C759	H4
C760	H2
C761	I4
C762	J4
C763	J7
C764	J7
C765	H6
C766	G6
C767	G7
C768	F7
C769	D3
C770	E3
C772	C6
C775	H7
IC750	F10
L750	D7
L751	F3
L752	H3
L753	J7
L754	I7
L755	E7
L756	D3
L757	C6
L758	C5
P7M01	B6
P7M02	B3
Q750	D7
Q751	H3
R751	D7
R752	D7
R753	D7
R754	D7
R755	D7
R757	H4
R758	H3
R759	G2
R760	G2
R761	I4
R762	J4
R763	K7
R764	K8
R765	K7
R766	I7
R767	I7
R768	G7
R769	F7
R770	I7
T750	H7
Z750	E6
Z751	J6
Z752	I7
Z755	C6

⇨ VIF SIGNAL  
⇨ SIF SIGNAL  
⇨ VIDEO SIGNAL  
⇨ AUDIO SIGNAL

Q751 is defective.  
Tuner video signal doesn't appear.

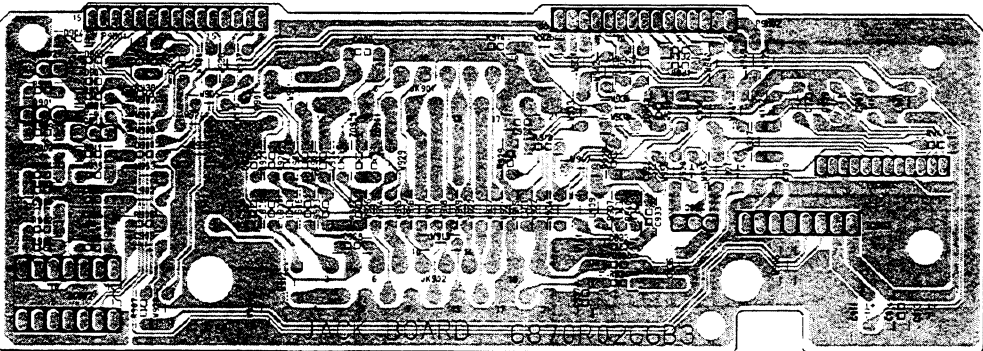
## 7. Connection Diagram





PRINTED CIRCUIT BOARD DIAGRAMS

1. Jack P.C. Board



TO MAIN

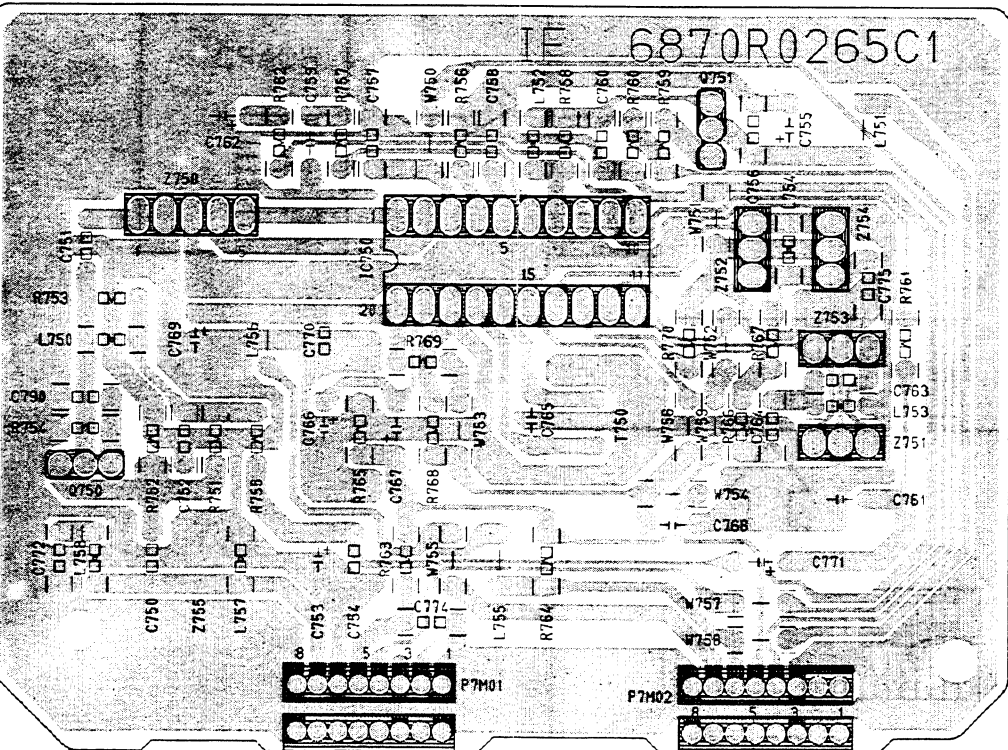
P9M01
1 AV2 AUDIO TP
2 G N D
3 AV1 AUDIO TP
4 P/C DET "H"
5 P/C DATA
6 VIDEO
7 169
8 REG 5.3VA
9 TUNER "H"
10 TUNER "M"
11 VPS/PDC SLK
12 VPS/PDC SDA
13 G N D
14 REG 12VA
15 SCART "H"

TO MAIN

P9M02
1 VIDEO
2 G N D
3 G N D
4 TU VIDEO
5 G N D
6 TU AUDIO
7 G N D
8 TU AUDIO ADJ
9 AUDIO/L AUDIO
10 G N D
11 AUDIO
12 G N D
13 AV2 VIDEO TP
14 G N D
15 AV1 VIDEO TP

(Solder Side)

2. IF P.C. Board



(Solder Side)

TO MAIN

P7M01
1 G N D
2 TU VIDEO
3 G N D
4 TU AUDIO
5 RF AGC
6 G N D
7 IF
8 G N D

TO MAIN

P7M02
1 SECAM "H"
2 SECAM VL "H"
3 G N D
4 RF AGC ADJ
5 AFC CTL
6 TUNER 12V
7 REG 5.3VA
8 G N D

★ IC Voltage Sheet

PB(REC)																						
0	1.5	2	2	3.2	3	3	3.8	5	2	2.5	3.6	1.2	2.5	2.5	0	2.5	0	2.5	2.5	0		
0	(1.6)	(2)	(2)	(2.2)	(3)	(3)	(3.8)	(5)	(2)	(2.5)	(3.6)	(1.2)	(1.4)	(1.4)	(0)	(2.5)	(0)	(2.5)	(2.5)	(0)		
40				35					30					25								
IC301 (LA7437)																						
1				5				10				15				20						
3.2	3.5	4	2.8	3.2	4.5	4.5	4.5	2.5	2	3.2	3.4	5	3.4	3	1.6	2.2	2	5	1.2	2.2		
(2.2)	(2.6)	(4)	(2.8)	(3.2)	(2)	(2)	(2.6)	(2.4)	(1.4)	(3.2)	(2.8)	(5)	(3.4)	(3)	(1.6)	(2.2)	(2)	(0)	(1.2)	(2.2)		

PB(REC)														
0.7 (0)	0 (4.2)	2.0 (3.6)	0.7 (0)	0 (4.2)	0 (0)	0 (4.2)	0.7 (0)	2.0 (3.6)	0 (4.2)	0.7 (0)	2.0 (3.6)	0 (4.2)	0 (4.2)	2.5 (1.7)
30			25						20					
IC302 (LA7417)														
1				5				10				15		
2.0 (3.6)	0 (0)	4.5 (0)	0 (0)	5 (5)	1.5 (1.5)	0 (5)	2 (0)	0 (0)	2.3 (3.6)	0 (3.6)	0 (1.6)	2.5 (2.5)	5.0 (4.5)	5 (5)

PB(REC)										
0 (0)	1.4 (1.4)	0 (0)	5 (5)	8.4 (8.4)	5 (5)	0 (0)	5 (5)	1.9 (1.9)	1.9 (1.9)	0 (0)
20				15						
IC304 (LC89970)										
1			5					10		
0 (0)	2.3 (2.3)	5 (5)	2.3 (2.3)	0 (0)	2.3 (2.3)	0 (0)	1.3 (1.3)	0 (0)	2.3 (2.3)	1.2 (1.2)

PB(REC)									
0	2	2.2	6.2	0.2	6.2	5.3	6.2	0.2	
(0)	(2)	(2.2)	(6)	(0)	(6.2)	(0)	(6.2)	(0)	
15								10	
IC401 (BA7797)									
1				5					
2	0	6	6.2	12	12	0.4	6.2	5.5	
(2)		(6)	(6)	(12)	(12)	(5.2)	(6.2)	(5.5)	

★ TR Voltage Sheet

PB(REC)			
TR NO	Port	Emitter	Collector
Q303		0.6(0)	1.8(0.4)
Q307		0(0)	0(0)
Q308		1.6(2)	4.5(0.5)
Q309		1.8(0)	3(0.2)
Q310		2.4(0.4)	1.3(0)
Q311		0.6(0)	3.9(0.4)
Q312		3(0)	5(0.4)
Q315		3.4(3)	0(0)

MESECAM(PAL)

0	5	4	0	4
1				5
IC305 (LA7356)				
10				6
4.5	5	0	5	2.5
(0)				

OPTION : Mesecam

PB(REC)																								
5	5	5	0	5	5	5	4.2	0	5	5	5	5	5	5	5	4.8	5	5	5					
(5)	(5)	(5)	(0)	(5)	(5)	(5)	(4.2)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(4.8)	(5)	(5)	(5)					
100					95					90					85					80				
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### 3. MAIN P.C.Board

5

4

3

2

1

#### TO SCART

PM901	
AV2 AUDIO TP	1
GND	2
AV1 AUDIO TP	3
P/C DET "H"	4
P/C DATA	5
VIDEO	6
REG 5.3 VA	7
TUNER "H"	8
TUNER "M"	9
VPS/DC SLK	10
VPS/DC SDA	11
GND	12
REG 12VA	13
SCART "H"	14
SCART "H"	15

#### TO Pre-Amp

PM301	
MESECAM "H"	1
SHARP PWM	2
VIDEO	3
COLOR ROT	4
DV SYNC	5
G N D	6
C SYNC	7
MESECAM DET "H"	8
SECAM DET "H"	9
REG SV	10
SECAM "H"	11
SECAM "H"	12

#### TO DECK

PM003	
CTL (-)	1
CTL (+)	2
A E	3
GND	4
REC AUDIO	5
PB AUDIO	6
NC	7
LD (+)	8
LD (-)	9

#### TO SMPS

PM001	
14VA	1
GND(M)	2
-23VA	3
-31VA	4
-19VA	5
12VA	6
38VA	7
6VA	8
GND(A)	9

#### TO DECK

PM002	
MOTOR GND	1
14 VA	2
CFG	3
5.3 VA	4
CAP. F/R	5
GND	6
CAP. CONTROL	7
NC	8

#### TO DECK

PM004	
GND	1
MODE S1	2
MODE S2	3
MODE S3	4
MODE S4	5

#### TO SCART

PM902	
VIDEO	1
GND	2
TU VIDEO	3
GND	4
TU AUDIO	5
GND	6
TU AUDIO ADJ	7
AUDIO/AUDIO	8
GND	9
AUDIO	10
GND	11
AV2 VIDEO TP	12
GND	13
AV1 VIDEO TP	14
AV1 VIDEO TP	15

#### TO Pre-Amp

PM301	
MESECAM "H"	1
SHARP PWM	2
VIDEO	3
COLOR ROT	4
DV SYNC	5
GND	6
C SYNC	7
MESECAM DET "H"	8
TU AUDIO	9
REG SV	10
SECAM DET "H"	11
SECAM "H"	12

#### TO IF

PM701	
G N D	1
TU VIDEO	2
G N D	3
RF AGC ADJ	4
RF AGC	5
G N D	6
IF	7
G N D	8

#### TO IF

PM702	
SECAM "H"	1
SECAM VL "H"	2
G N D	3
RF AGC ADJ	4
AFC CTL	5
TUNER 12V	6
VIDEO ENV	7
G N D	8

#### TO Pre-Amp

PM302	
TRICK "H"	1
COMP IN	2
H AMP SW	3
HEAD SW	4
REC SV	5
VIDEO ENV	6
LP "H"	7
NTSC "H"	8
PB SV	9
G N D	10
G N D	11
VV/EE	12

#### TO Timer

MK501	
-31VA	1
-19VA	2
-23VA	3
VCC 5VA	4
G N D	5
G N D	6
FLD ENABLE	7
FLD	8
FLD	9
FLD CLK	10
KEY RTN 2	11
KEY RTN 1	12
REMOCON	13
G N D	14

#### LOCANO Position

LOCANO	Position
IC401	4B
IC501	2E
IC502	1B
IC503	1C
IC504	1D
IC505	3D
IC506	1C
IC701	3F
Q401	4B
Q402	4B
Q403	3B
Q404	3B
Q405	3B
Q406	2B
Q407	4B
Q502	2E
Q503	1C
Q504	1D
Q506	3B
Q507	1E

#### LOCANO Position

LOCANO	Position
Q508	3C
Q509	3D
Q510	3C
Q511	3D
Q512	2F
Q513	3B
Q514	3E
Q515	2B
Q522	3E
Q523	3E
Q524	2B
Q525	2E
Q526	2E
Q527	4E
Q528	4C
Q701	3F
Q702	3E
Q703	3E
Q704	3E

#### ABBREVIATIONS

ADJ. (Adjustment)
AGC. (Automatic Gain Control)
CAR. (Carrier)
DEV. (Deviation)
EE. (Electronic to Electronic)
PB. (Play back)
PG. (Pulse Generator)
REC. BIAS (Record Bias)
VIF. (Video Intermediate Frequency)
REC. OSC. (Record Oscillation)

(NOTE)	● : Measurement Point
	□ : Adjustment Point
	○ : Emitter : TRANSISTOR
	○ : Collector
	○ : Base

(Solder Side)

A

B

C

D

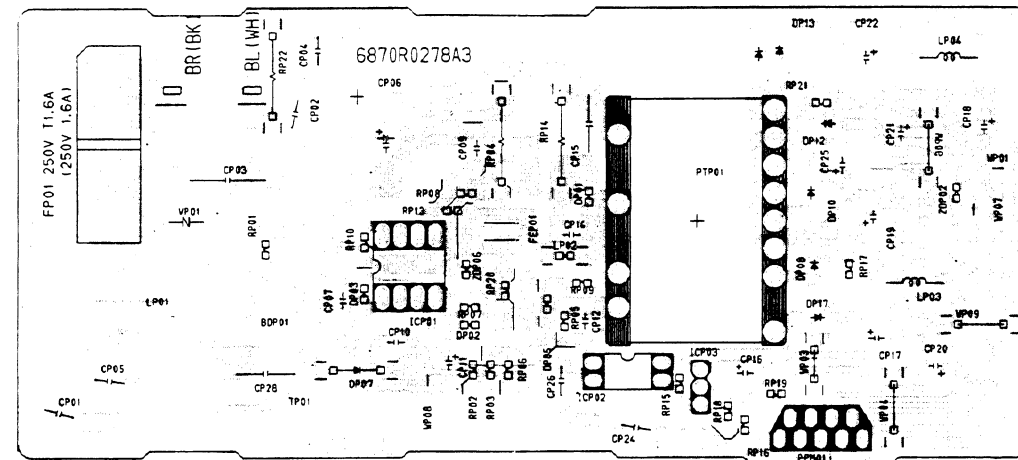
E

F

G

H

#### 4. Power (SMPS) P.C.Board



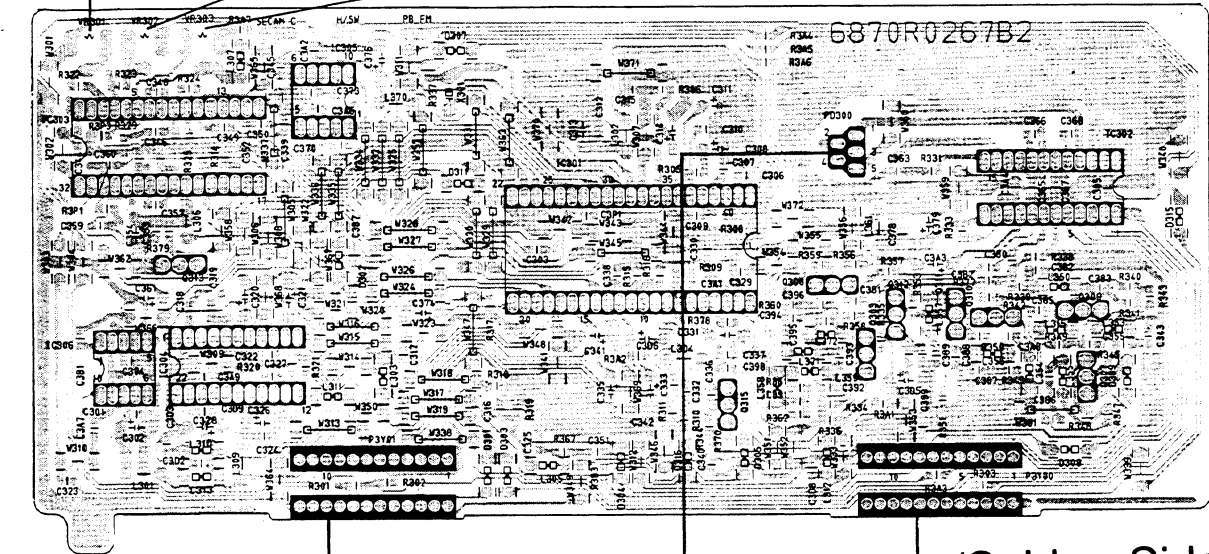
TO MAIN

PPM01	
1	15VA
2	GND(D)
3	-21VA(N.C)
4	-27VA(N.C)
5	-16VA(N.C)
6	GND(C)
7	40VA
8	6VA
9	GND(A)

(Solder Side)

#### 5. Y/C & Pre-Amp P.C.Board

SECAM PB EQ SECAM BELL SECAM PB LEVEL



(Solder Side)

TO MAIN

P3Y01	
1	MESECAM CONT'H
2	SHARPNESS PWM
3	VIDEO
4	VIDEO
5	COLOR ROT
6	D/V SYNC
7	G N D
8	C SYNC
9	MESECAM DET H
10	SECAM DET H
11	REG 5.3VA
12	SECAM CONT'H

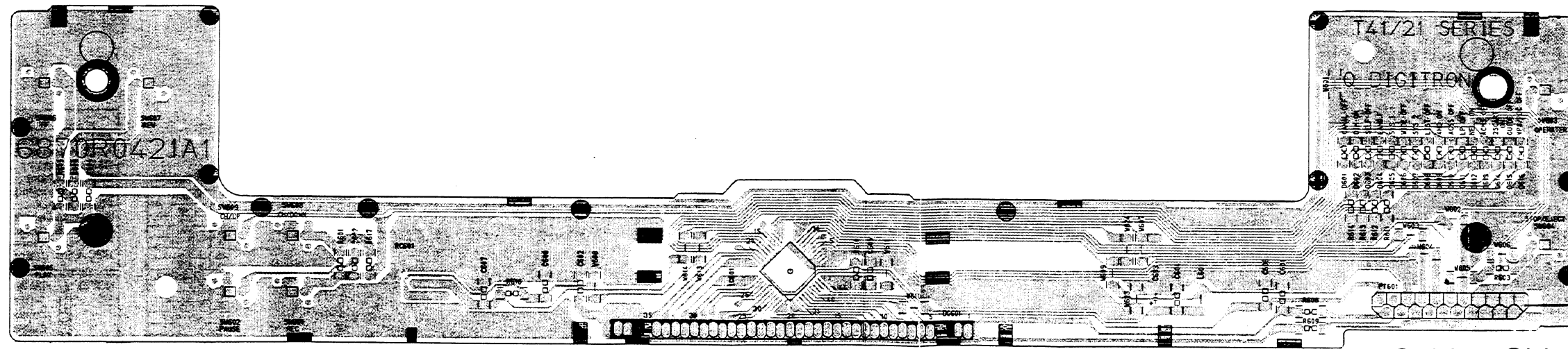
TO DECK

PD300	
1	SP A PB
2	SP A REC
3	SP B PB
4	SP B REC
5	LP A PB
6	LP A REC
7	LP B PB
8	LP B REC

TO MAIN

P3Y00	
1	TRICK "H"
2	COMP. OUT
3	H. AMP SW
4	HEAD SW
5	REC SV
6	VIDEO ENV
7	LP H
8	NTSC "H"
9	PB 5V
10	G N D
11	
12	VV/EE

#### 6. Timer P.C.Board



TO MAIN

PT601	
1	-31VA
2	-19VA
3	-23VA
4	VCC 5VA
5	GND
6	GND
7	FLD ENABLE
8	FLD
9	FLD
10	FLD CLK
11	KEY RTN 2
12	KEY RTN 1
13	REMOCON
14	GND

(Solder Side)

## SECTION 4 DECK MECHANISM

### (SUMMARY FOR DECK MECHANISM)

---

#### NOTE

This section is a summary information for D-27 Deck Mechanism.

If you want to get a more detailed information, refer to your Service Manual Section 4 (Mechanism) provided separately. (Part No. 494-005A).

This is composed of following contents.

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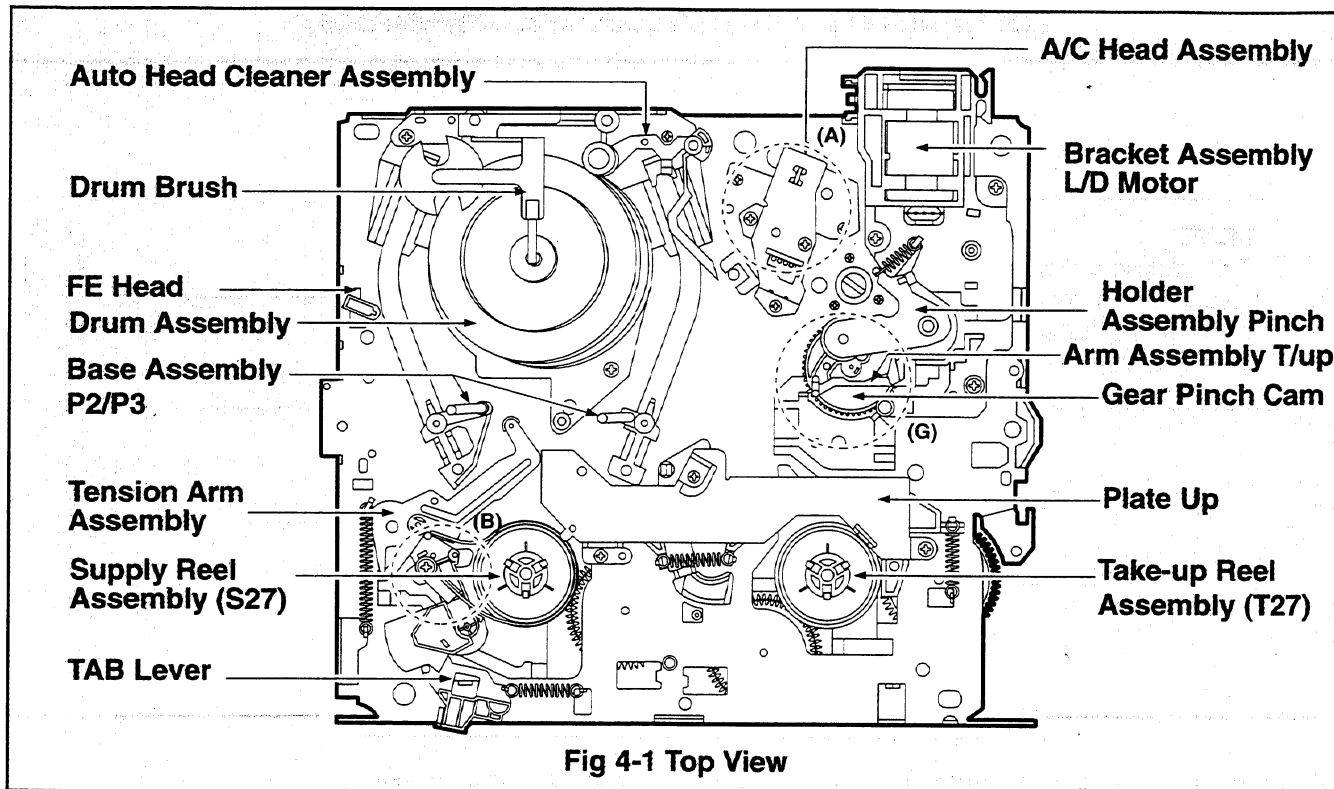
### CONTENTS

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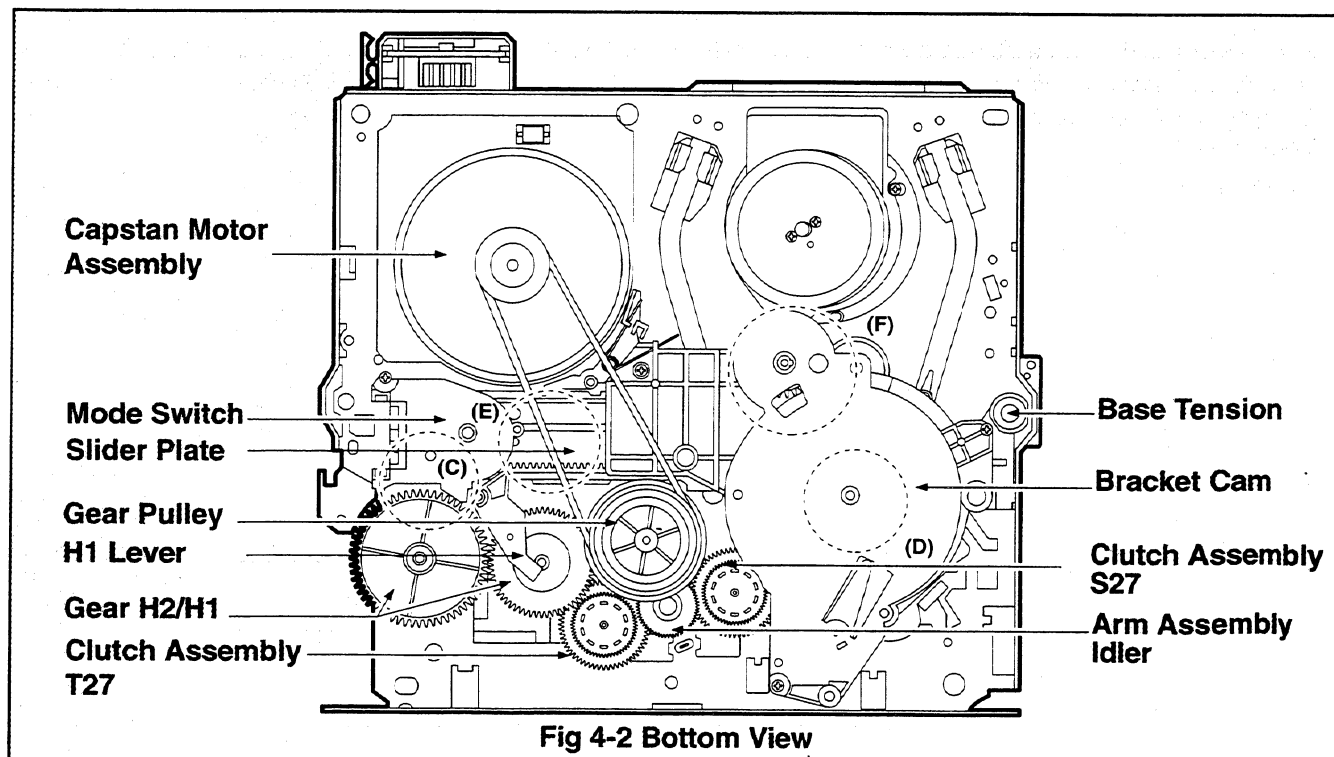
• <b>Deck Mechanism Parts Locations</b> .....	4-1	5. Gear P/S Plate Slider.....	4-3
1. Top View.....	4-1	6. Gear Assembly P2/P3.....	4-3
2. Bottom View.....	4-1	7. Gear Pinch Cam .....	4-3
• <b>Alignment Positions for Assembling</b> .....	4-2	• <b>Exploded Views</b> .....	4-4
1. A/C (Audio/Control) Head Assembly.....	4-2	1. Front Loading Mechanism Section .....	4-4
2. Tension Arm/Lever Assembly Tension .....	4-2	2. Moving Mechanism Section(1).....	4-5
3. Mode S/W .....	4-2	Top View	
4. Gear Cam L/D .....	4-3	3. Moving Mechanism Section(2).....	4-7
		Bottom View	

## ● DECK MECHANISM PARTS LOCATION

### 1. TOP VIEW



### 2. BOTTOM VIEW



## ● ALIGNMENT POSITION FOR ASSEMBLING

### 1. A/C (Audio/Control) Head Assembly (Fig. 4-3)

- 1) Unplug the A/C connector from the Loading Motor P.C.B.
- 2) Remove two screws(A) and remove the A/C Head Assembly from the Deck Mechanism Assembly.

#### NOTE (See Fig. 4-1 (A))

When disassembling and reassembling:

- ① When assembling, the 3mm hole of the Base A/C should coincide to 3mm hole in the Chassis.
- ② Do not touch the A/C Head Tips with fingers or tools.
- ③ After reinstalling the Audio Control Head Assembly, adjust the Tilt, Azimuth and Height of A/C Head.

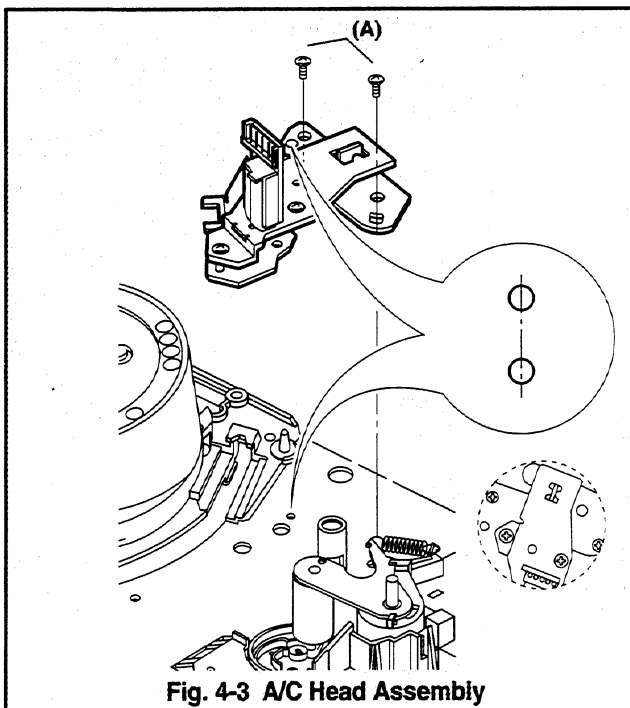


Fig. 4-3 A/C Head Assembly

### 2. Tension Arm/Lever Assembly Tension (Fig. 4-4)

- 1) Remove the Spring Tension.
- 2) Push the tab(A) of the Base Tension on the back cover of the Deck Mechanism Assembly outward and remove the Tension Arm Assembly.
- 3) Push the tab(B) on the back side of the Holder Band(A) and remove the Tension Arm Assembly.
- 4) Push two tabs(C) on the bottom side of the Lever Tension and Lift up the Lever Assembly Tension.

#### NOTE (See Fig. 4-1 (B))

When disassembling and reassembling:

- ① (D) is engaged to the cam groove of the Gear Cam L/D and two tabs(C) are engaged in the chassis. (care must be taken not to damage the two tabs when disassembling and reassembling)
- ② When disassembling, turn to the counterclockwise and

lift up so that grease which may be on (D) is not transferred to the Reel Brake Drum.

- ③ When assembling, the 2.5mm hole of the Lever Assembly Tension should be aligned with the 2.5mm hole in the chassis.
- ④ After reassembling, adjust the Tension.

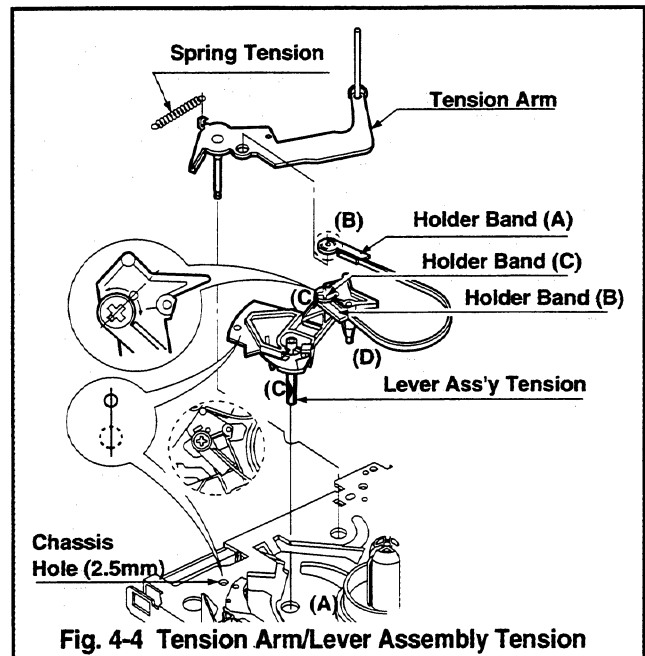


Fig. 4-4 Tension Arm/Lever Assembly Tension

### 3. Mode S/W (Fig. 4-5)

- 1) Lift up the Lever H1.
- 2) Remove the screw(A) and lift up the Mode S/W.

#### NOTE (See Fig. 4-2 (C))

- ① When assembling mode, the groove of Gear (Π) and Body (○) of the Mode Switch should be aligned.

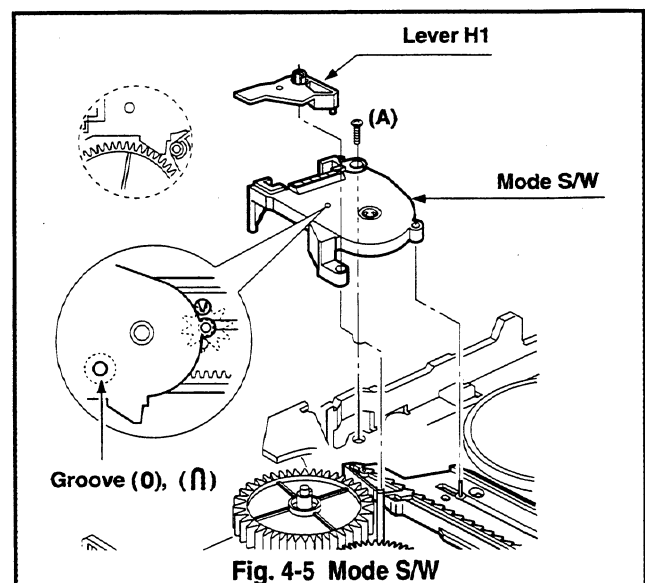


Fig. 4-5 Mode S/W



#### 4. Gear Cam L/D (Fig. 4-6)

- 1) Remove the Cam Bracket Assembly.
- 2) Remove the Gear Cam L/D.

**NOTE (See Fig. 4-2 (D))**

- 1) When assembling the Gear Cam L/D, the groove (ΛΛ) of Plate Slider should coincide with to the groove (V) on the Gear Cam L/D.

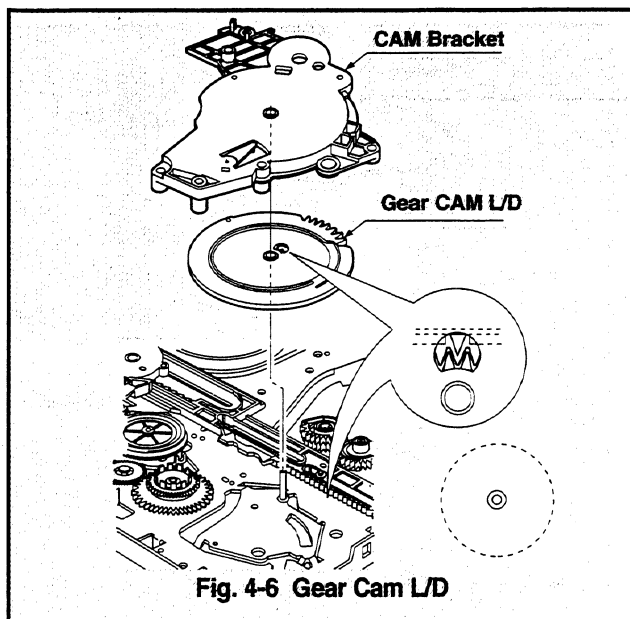


Fig. 4-6 Gear Cam L/D

#### 5. Gear P/S Plate Slider (Fig. 4-7)

- 1) Remove two washers(C).
- 2) Remove the Plate Slider.
- 3) Remove the Gear PS.

**NOTE (See Fig. 4-2 (E))**

- 1) When the hole(A) of the Gear PS is aligned to the hole(B) of the chassis, the groove(V) of the Plate Slider should be aligned to the groove(ΛΛ) of the Gear PS.

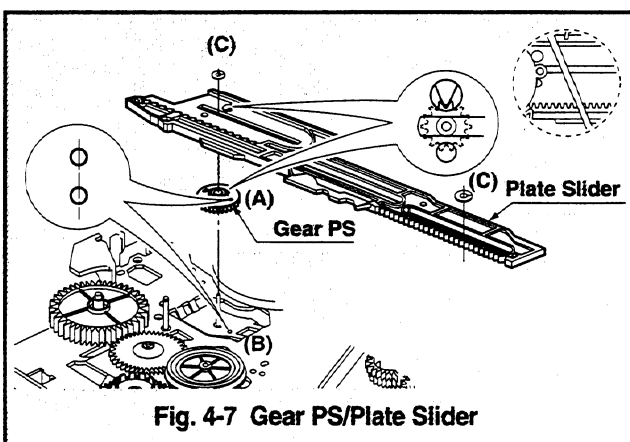


Fig. 4-7 Gear PS/Plate Slider

#### 6. Gear Assembly P2/P3 (Fig. 4-8)

- 1) Remove the Plate Slider.
- 2) Remove by pushing one hook(B) on the top side of Gear Assembly P3.

- 3) Remove by pushing one hook(A) on the top side of Gear Assembly P2.

**NOTE (See Fig. 4-2 (F))**

When disassembling and reassembling:

- ① The P2 and P3 Gear Assembly should not be interchanged.
- ② The groove(V) of Gear P2 should be aligned to the groove(ΛΛ) of Gear P3.
- ③ Set the hole of Lever to the Boss of P2 and P3 Base Assembly.  
(When assembling make sure that the Lever is not bent.)

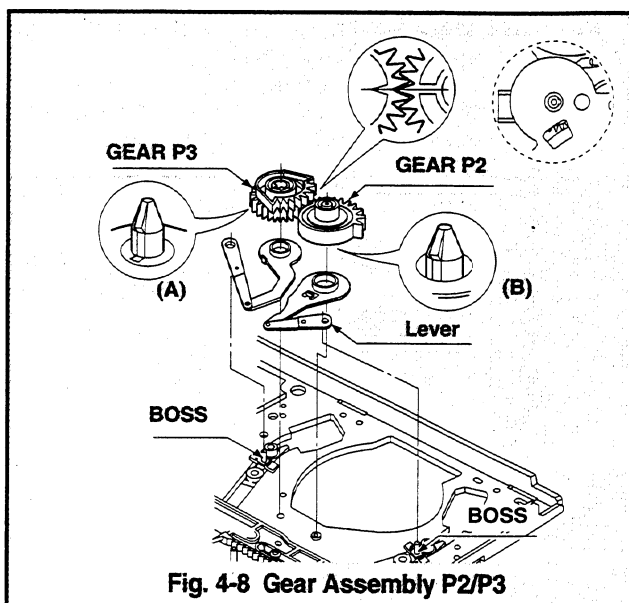


Fig. 4-8 Gear Assembly P2/P3

#### 7. Gear Pinch Cam (Fig. 4-9)

- 1) Remove the T/Up Arm Assembly.
- 2) Remove by pushing one tab(A) on the bottom side of the Gear Pinch Cam.

**NOTE (See Fig. 4-1 (G))**

When disassembling and reassembling:

- ① The small hole on the Gear Pinch Cam and hole of chassis should be aligned.

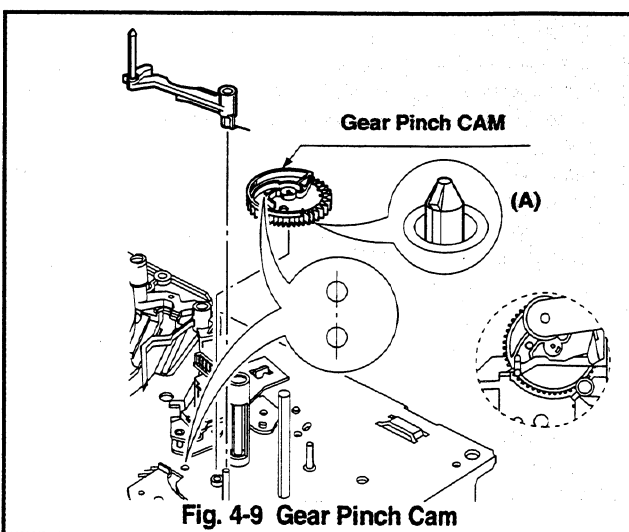
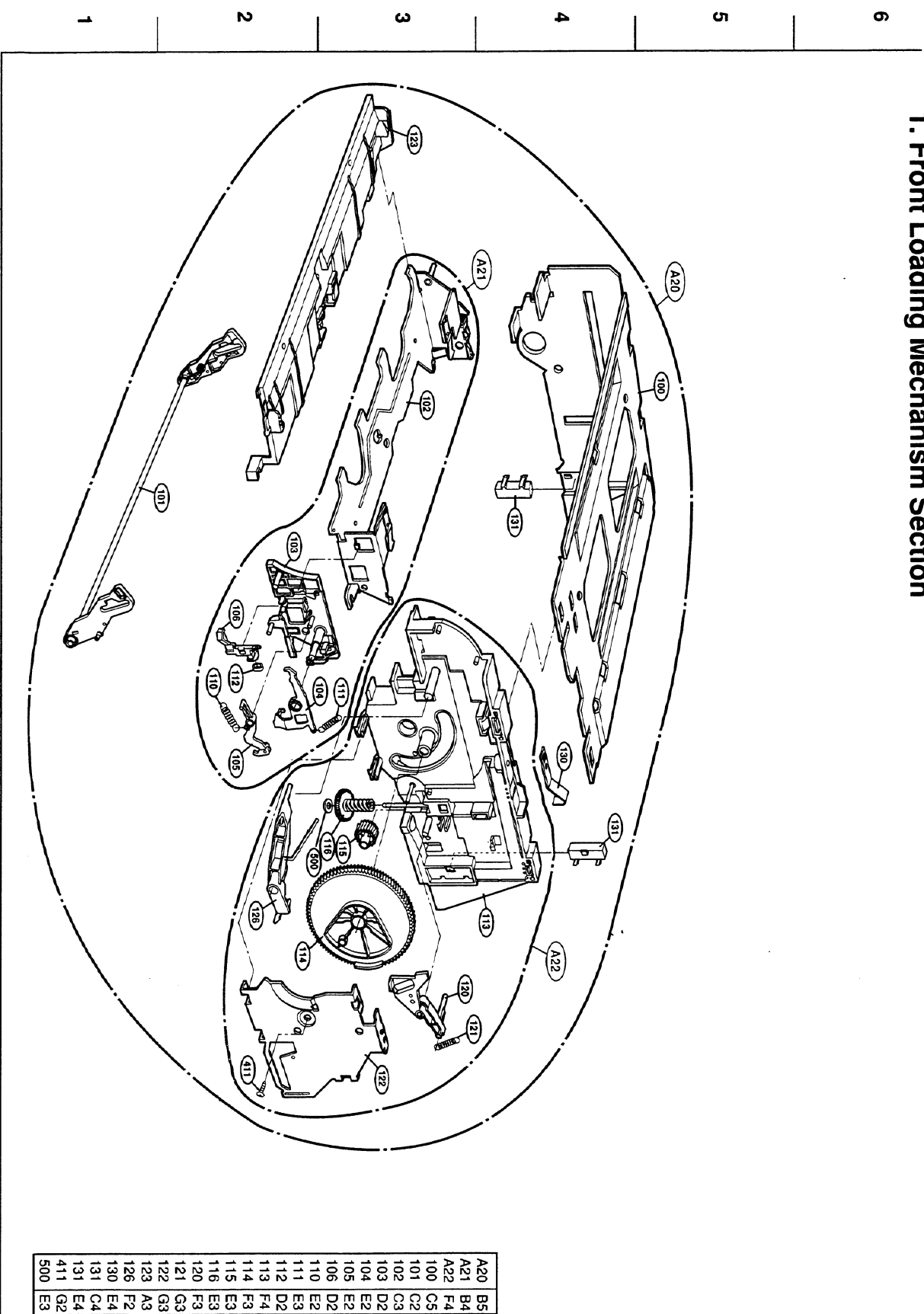


Fig. 4-9 Gear Pinch Cam

# EXPLODED VIEW

## 1. Front Loading Mechanism Section



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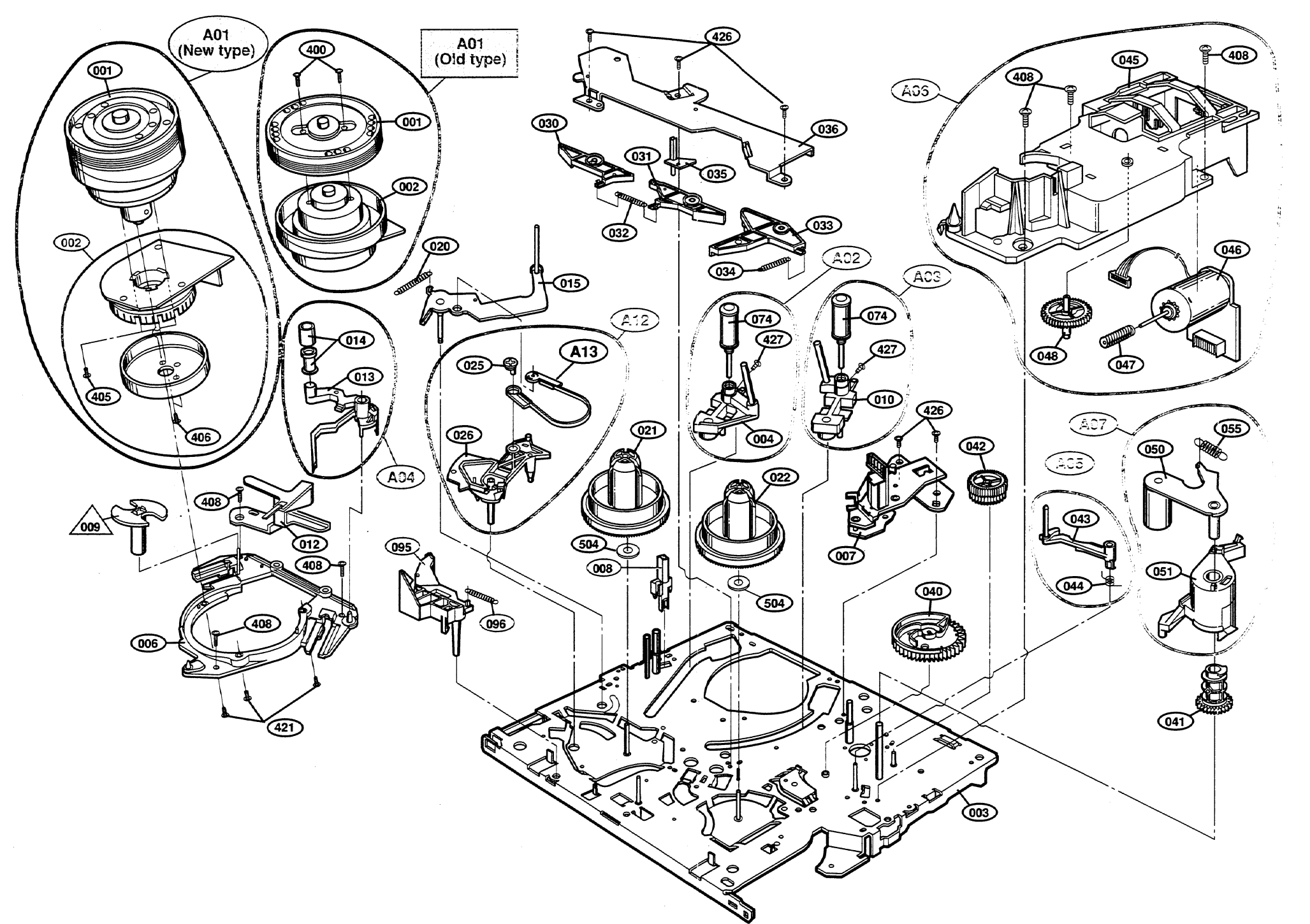
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EXPLODED VIEW

2. Moving Mechanism Section(1) Top View

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4  
3  
2  
1



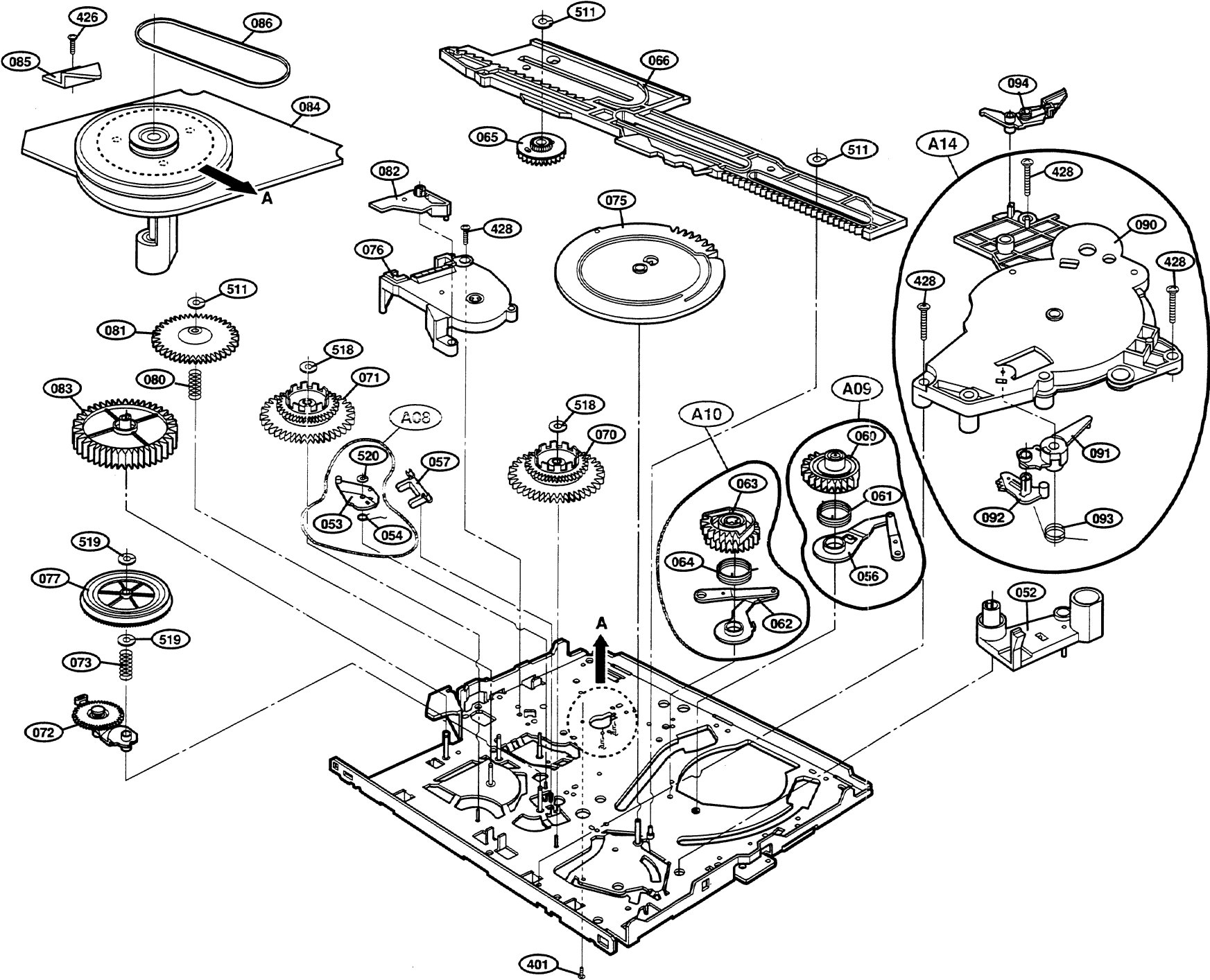
A01	B5
A01	C5
A02	E4
A03	E4
A04	C3
A05	F3
A06	E5
A07	F3
A12	D4
A13	D4
001	A5
001	C5
002	A4
002	C5
003	F1
004	E3
006	A2
007	E3
008	D3
009	A3
010	E4
012	B3
013	C4
014	C4
015	D4
020	C4
021	D3
022	E3
025	C4
026	C3
030	C5
031	D5
032	D4
033	E4
034	D4
035	D5
036	E5
040	E3
041	G2
042	F3
043	F3
044	F3
045	F5
046	G4
047	F4
048	F4
050	G3
051	G3
055	G3
074	D4
095	C3
096	C2
400	B5
405	A3
406	B3
408	B2
408	B3
408	C2
408	F5
408	G5
421	B2
426	D5
426	E3
427	D4
427	E4
504	D2
504	D3

A B C D E F G H

4-5 4-6

EXPLODED VIEW

3. Moving Mechanism Section(2) Bottom View



A08	C3
A09	E4
A10	D3
A14	E5
052	F3
053	B3
054	C3
056	E3
057	C3
060	E3
061	E3
062	D2
063	D3
064	D3
065	C5
066	D5
070	D3
071	B4
072	A2
073	A2
075	D4
076	C4
077	A3
080	B4
081	B4
082	C5
083	A3
084	B5
085	A5
086	B5
090	F4
091	F3
092	F3
093	F3
094	F5
401	C1
426	A5
428	C4
428	E4
428	F4
428	F5
511	B4
511	C5
511	E5
518	B4
518	C3
519	A3
519	A3
520	B3

# SECTION 5 REPLACEMENT PARTS LIST

• Mechanical Section (MODEL : T21HP)

RUN DATE : 95.07.13  
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
ASSEMBLY PARTS SECTION						
	OR	A00	412-183A	DECK	ASSY D-27 P (2HD MONO VCR)	NSP
		A00	412N183A	DECK	V/D D-27 P (2HD MONO VCR)	
		A01	413-312E	DRUM	ASSY V-2CH(P1)D27	
	OR	A01	413B312E	DRUM	ASSY V-2CH(P1) D27 BOKWANG	
		A02	225-361A	BASE	ASSY P2	
		A03	225-364A	BASE	ASSY P3	
		A04	386-394A	ARM	ASSY CLEANER	
		A05	386-405A	ARM	ASSY T/UP	
		A06	321-668A	BRACKET	ASSY L/D MOTOR	
		A07	340-070A	HOLDER	ASSY PINCH	
		A08	333-331A	LEVER	ASSY F/R	
		A09	435-435A	GEAR	ASSY P2	
		A10	435-437A	GEAR	ASSY P3	
		A12	333-329A	LEVER	ASSY TENSION	
		A13	328-075A	BAND	ASSY TENSION	
		A20	219-023A	HOUSING	ASSY D-27	
		A21	340-010A	HOLDER	ASSY CST	
		A22	321-672A	BRACKET	ASSY SIDE(R)	
PARTS SECTION						
	OR	001	413-315A	DRUM	SUB ASSY(P1)	NSP
		002	414-209A	MOTOR	ASSY DRUM GVD-027A ALPS	
		002	414-217A	MOTOR	ASSY DRUM E20XL14 D27 SANKYO	
		003	311-011A	CHASSIS ASSY'	D27	
		004	225-362A	BASE	SUB ASSY P2	
		006	225-368A	BASE	DRUM	
		007	225-371A	BASE	ASSY A/C	
		010	225-365A	BASE	SUB ASSY P3	
		012	225-399A	BASE	ASSY BRUSH	
		013	386-395A	ARM	CLEANER	
		014	324-835B	HOLDER	ASSY CLEANER	
		015	386-392A	ARM	ASSY TENSION	
		020	442-640A	SPRING	TENSION	
		021	456-070A	REEL	S27	
		022	456-071A	REEL	T27	
		025	340-008A	HOLDER	BAND(C)	
		026	333-330A	LEVER	TENSION	
		030	338-112A	BRAKE	ASSY SM	
		031	338-114A	BRAKE	ASSY TM	
		032	442-655A	SPRING	MB	
		033	338-116A	BRAKE	ASSY TS	
		034	442-654A	SPRING	TSB	
		035	316-019A	BODY	PRISM LED	
		036	257-071A	PLATE	UP	
		040	435-441A	GEAR	PINCH CAM	
		041	435-440A	GEAR	PINCH	
		042	435-439A	GEAR	CNT	
		043	386-404A	ARM	SUB ASSY T/UP	

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		044	442-650A	SPRING	T/UP	NSP
		045	321-669A	BRACKET	L/D MOTOR	
		046	414-199A	MOTOR	ASSY L/D	
		047	437-019A	WORM	L/D MOTOR	
		048	437-020A	WORM	WHEEL	
		050	386-401A	ARM	ASSY PINCH	
		051	340-073A	HOLDER	SUB ASSY PINCH	
		052	225-374A	BASE	TENSION	
		053	333-332A	LEVER	F/R	NSP
		054	442-645A	SPRING	F/R	NSP
		055	442-649A	SPRING	PINCH	NSP
		056	333-334A	LEVER	ASSY P2	NSP
		057	386-398A	ARM	F/R	
		060	435-436A	GEAR	P2	NSP
		061	442-647A	SPRING	P2	NSP
		062	333-336A	LEVER	ASSY P3	NSP
		063	435-438A	GEAR	P3	NSP
		064	442-648A	SPRING	P3	NSP
		065	435-442A	GEAR	P/S	
		066	257-070A	PLATE	SLIDER	
		070	337-007B	CLUTCH	ASSY S27	
		071	337-008A	CLUTCH	ASSY T27	
		072	386-396A	ARM	ASSY IDLER	
		073	442-644A	SPRING	UP/D	
		074	434-173A	ROLLER	ASSY GUIDE	
		075	435-433A	GEAR	CAM L/D	
		076	556-252B	SWITCH	MODE S/W(D-27),HMW0840-01,HOSI	
		077	435-432A	GEAR	PULLEY	
		080	442-656A	SPRING	H1	
		081	435-443A	GEAR	H1	
		082	333-339A	LEVER	H1	
		083	435-444A	GEAR	H-2	
		084	414-201A	MOTOR	GVC-027A CAPSTAN D-27 ALPS	
		085	321-696A	BRACKET	CAPSATN,D27	
		086	452-062A	BELT	CAPSTAN	
		094	338-110A	BRAKE	ASSY CAP	
		095	333-338A	LEVER	TAB	NSP
		096	442-652A	SPRING	TAB	
		100	257-072A	PLATE	TOP	
		101	386-407A	ARM	ASSY F/L	
		102	340-011A	HOLDER	SUB ASSY CST	NSP
		103	321-671A	BRACKET	HOLDER(R)	NSP
		104	333-341A	LEVER	STOPPER(R)	NSP
		105	465-039A	OPENER	LID	NSP
		106	386-410A	ARM	RELEASE	NSP
		110	442-660A	SPRING	RELEASE	
		111	442-659A	SPRING	STOPPER	
		112	477-058A	RUBBER	GRIP	NSP
		113	321-673A	BRACKET	SUB ASSY (R)	NSP
		114	435-445A	GEAR	CAM F/L	NSP
		115	435-446A	GEAR	CONNECT	NSP
		116	435-447A	GEAR	WORM	NSP
		120	333-342A	LEVER	SWITCH	NSP
		121	442-661A	SPRING	SWITCH	NSP
		122	257-074A	PLATE	COVER	NSP

RUN DATE : 95.07.13  
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
	OR	123	384-143A	GUIDE	CST	
		123	384-151A	GUIDE	CST27	
		126	465-040A	OPENER	DOOR	NSP
		130	257-075A	PLATE	GROUND	NSP
		131	340-062A	HOLDER	ASSY PRISM	
<b>SCREW</b>						
		401	1MPK0261418	PAN HEAD MACHINE SCREW +,-	D 2.6 L 4.0 MSWR3/FZY	
		405	1MDC0262818	PAN HEAD MACHINE SCREW P/WASH+	D2.6 L12 MSWR3/FZY	
		406	1MEC0302018	PAN HEAD MACHINE SCREW S/W +	D 3.0 L 6.0 MSWR3/FZY	
		408	1MBC0302418	BINDING HEAD MACHINE SCREW +	D 3.0 L 8.0 MSWR3/FZY	
		411	353-046B	SCREW	SPECIAL (3X8 FZMY)	NSP
		421	1MPC0302618	PAN HEAD MACHINE SCREW +!	D3.0 L10.0,MSWR3/FZY	
		426	1MPC0302018	PAN HEAD MACHINE SCREW +!	D 3.0 L 6.0 MSWR3/FZY	
		427	353-054B	SCREW	MINIATURE	
		428	353-221A	SCREW	M3-L15	
<b>NUT, WASHER</b>						
		500	354-080F	WASHER	STOPPER	
		504	354-001B	WASHER	P.S D3.1XD6X0.5T	
		511	354-080C	WASHER	STOPPER	
		518	354-128A	WASHER	STOPPER	
		519	354-128B	WASHER	STOPPER	

• Cabinet & Main Frame Section

RUN DATE : 95.07.13  
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
<b>ASSEMBLY PARTS SECTION</b>						
		A43	258-756J	PANEL	ASSY FRONT	
		A44	3501R-0278F	BOARD ASSY	SMPS	
		A45	501-521G	MODULE		
		A46	3501R-0263C	BOARD ASSY	MAIN	
<b>PARTS SECTION</b>						
		250	217-570C	CASE	TOP	
		260	315-347B	FRAME	MAIN(60HR)	NSP
		266	321-738A	BRACKET	ASSY HOUSING	
		267	255-429A	PLATE	GND(M/F)	
		268	255-359A	PLATE	SIDE GND	
		269	255-362A	PLATE	PRE-AMP GND	
		270	321-743A	BRACKET	PROTECT	
		275	324-802A	HOLDER	DIGITRON	
		280	258-757H	PANEL	FRONT	
		283	226-110P	DOOR	CST	
		284	442-681A	SPRING	DOOR	
		300	681-051A	CORD	KKP-419J B-172 KLCE-2F PAL	
	OR	300	681-951A	CORD	H03VVH2-F 2X0.75MM LP21R/PE221	
		320	258-728D	PANEL	ASSY DISTRIBUTOR	

RUN DATE : 95.07.13  
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		330	220-050A	COVER	BOTTOM	
<b>SCREW</b>						
		452	353-051A	SCREW	SPECIAL(3X10 FZMY)	
		459	353-046A	SCREW	SPECIAL (3X6 FZMY)	
		462	353-136A	SCREW	SPECIAL(4.6X12.5 FBK)	
		463	1MBC0302418	BINDING HEAD MACHINE SCREW +	D 3.0 L 8.0 MSWR3/FZY	
		469	353-046K	SCREW	SPECIAL (3X10 B.K)	

### • Packing Accessory Section

RUN DATE : 95.07.13  
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		801	480-658B	INSTRUCTION ASSY		
		802	290-400A	BOX CARTON		
		803	283-292A	PACKING		
		804	291-002B	SHEET CUSHION		
		808	534-008C	BATTERY	AAAM(R03) 1.5V 1PAIR(LOCAL)	NSP
		810	861-505B	CABLE SET ASSY	RF-CABLE,ASSY,PAL	

### • Remote Control Section

RUN DATE : 95.07.13  
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		900	597-123G	REMOTE CONTROL	ASSY	
		901	255-405C	PLATE	TOP R/C(VPS;;FS)	
		902	217-603B	CASE	TOP(D.G)	
		903	556-268E	SWITCH	RUBBER(D.G)	
		904	6871R-0405A	PWB ASSY!	M2 R/C NORMAL(P20P)	
		905	220-130A	COVER	BOTTOM R/C	
		906	236-580A	WINDOW	FILTER	
		907	220-131A	COVER	BATTERY	
		908	442-726A	SPRING	BATTERY	

## • Electrical Section

RUN DATE : 95.07.13

**CAUTION:** The \* marks in the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. Before replacing any of these components, read carefully the SAFETY PRECAUTIONS and SERVICING PRECAUTIONS in the manual. Do not degrade the safety of the unit through improper servicing.

### Tolerance

Symbol	C	J	K	M	N	Z	P	A
%	±2	±5	±10	±20	±30	+80 -20	+100 -10	+100 -10

CC, CJ, CK: Capacitor, Ceramic  
CE: Capacitor, Electrolytic  
CQ: Capacitor, Polyester

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
<b>CAPACITOR</b>				
		C303	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C305	OCH4121K416	120P 50V J NPO 2.0X1.2 R/TP
		C306	OCH1473K946	0.047U 50V Z F 2.0X1.2 R/TP
		C307	OCH1473K946	0.047U 50V Z F 2.0X1.2 R/TP
		C308	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C309	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C310	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C311	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C312	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C313	OCE1074F638	100U SRA 16V M FM5 TP(5)
		C314	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C315	OCH1473K946	0.047U 50V Z F 2.0X1.2 R/TP
		C317	OCH4220K416	22P 50V J NPO 2.0X1.25 R/TP
		C318	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C319	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C320	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C321	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C322	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C323	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C324	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C326	OCE1074F638	100U SRA 16V M FM5 TP(5)
		C327	OCH1104K946	0.1U 50V Z F 2.0X1.2 R/TP
		C328	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C329	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C330	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C331	OCE1054K638	1.0U SRA 50V M FM5 BP TP(D)
		C332	OCH4331K416	330P 50V J NPO 2.0X1.2 R/TP
		C333	OCH4050K016	5P 50V C COG 2.0X1.2 R/TP
		C335	OCE1064F638	10M SRA 16V M FM5 TP(5)
		C336	OCH4050K016	5P 50V C COG 2.0X1.2 R/TP
		C337	OCH4680K416	68P 50V J COG 2.0X1.2 R/TP
		C338	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C340	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C341	OCE1074F638	100U SRA 16V M FM5 TP(5)
		C342	OCE1064F638	10M SRA 16V M FM5 TP(5)
		C343	OCH4680K416	68P 50V J COG 2.0X1.2 R/TP
		C355	OCH4470K416	47P 50V J NPO 2.0X1.25 R/TP
		C360	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C363	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C365	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C366	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C367	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C368	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C374	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C378	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C379	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C380	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C381	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C382	OCH4470K416	47P 50V J NPO 2.0X1.25 R/TP
		C383	OCH4270K416	27P 50V J COG 2.0X1.2 R/TP
		C385	OCH4560K416	56P 50V J NPO 2.0X1.25 R/TP
		C386	OCH4680K416	68P 50V J COG 2.0X1.2 R/TP
		C387	OCH4270K416	27P 50V J COG 2.0X1.2 R/TP
		C388	OCH4330K416	33P 50V J C 2.0X1.2 R/TP
		C389	OCH4121K416	120P 50V J NPO 2.0X1.2 R/TP
		C391	OCH4220K416	22P 50V J NPO 2.0X1.25 R/TP
		C392	OCH4470K416	47P 50V J NPO 2.0X1.25 R/TP
		C393	OCH4271K416	270P 50V J COG 2.0X1.2 R/TP
		C394	OCH4390K416	39P 50V J COG 2.0X1.2 R/TP
		C395	OCH4221K416	220P 50V J 2.0X1.25 R/TP
		C396	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C398	OCH4181K416	180P 50V J NPO 2.0*1.25 R/TP
		C399	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C3A3	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C3A4	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C3A5	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C3A8	OCH4331K416	330P 50V J NPO 2.0X1.2 R/TP
		C3A9	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C3B2	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C3D2	OCH4241K416	240PF 50V J NPO 2012 R/TP
		C3D3	OCH4471K416	470P 50V J 2.0*1.25 R/TP
		C3D5	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C3D6	OCE1063F638	10UF SRE 16V M FM5 BP(D) TP
		C3D8	OCH4151K416	150P 50V J NPO 2.0X1.2 R/TP
		C3D9	OCH1102K516	1000P 50V K B 2.0X1.25 R/TP
		C3P1	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C401	OCQ8221N409	0.0082U 100V J POLY TP
		C402	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C403	OCE1046K638	0.1M SMS 50V M FM5 TP(5)
		C404	OCE1066F638	10UF SMS 16V M FM5 TP5
		C405	OCE1046K638	0.1M SMS 50V M FM5 TP(5)
		C406	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C407	OCQ1032K409	0.01UF S 50V J PE TP
		C408	OCQ1032K409	0.01UF S 50V J PE TP
		C409	OCQ6832K409	0.0680UF S 50V J PE TP
		C410	OCN2210K518	220P 50V K B TA26
		C411	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C412	OCN1030F678	0.01M 16V M Y TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C413	OCQ1831N409	0.018U 100V J POLY TP
		C414	OCE2266F638	22M SMS 16V M FM5 TP5
		C415	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C416	OCQ1521N409	0.0015U 100V J POLY TP
		C417	OCQ4721N409	0.0047U 100V J POLY TP
		C418	OCE1064F638	10M SRA 16V M FM5 TP(5)
		C419	OCE1064F638	10M SRA 16V M FM5 TP(5)
		C421	OCE1046K638	0.1M SMS 50V M FM5 TP(5)
		C422	OCN1020K518	1000P 50V KB TA26
		C500	OCE2274C638	220M SRA 6.3V M FM5 TP(5)
		C502	OCE4763F638	47M SRE 16V M FM5 TP(5)
		C503	OCE2274C638	220M SRA 6.3V M FM5 TP(5)
		C504	OCN1030F678	0.01M 16V M Y TA26
		C505	OCE4766F638	47M SMS 16V M FM5 TP5
		C506	CCC3310K415	330PF 50V J NPO TR
		C507	OCE1064F638	10M SRA 16V M FM5 TP(5)
		C508	OCN1040K948	0.1M 50V ZF TA26
		C510	OCE4754K638	4.7M SRA 50V M FM5 TP(5)
		C511	CCC0800K015	8P 50V CNP0 TS
		C512	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C513	OCN1040K948	0.1M 50V ZF TA26
		C514	CCC1500K415	15P 50V J NPO TS
		C515	CCC1500K415	15P 50V J NPO TS
		C516	CCC1200K415	12P 50V J NPO TS
		C517	CCC1000K015	10P 50V CNP0 TS
		C518	CCC3300K415	33P 50V J NPO TP
		C519	CCC3300K415	33P 50V J NPO TP
		C520	OCN2230H948	0.022M 25V ZF TA26
		C521	OCX3900K408	39P 50V JSL TA26
		C522	OCE4766F638	47M SMS 16V M FM5 TP5
		C523	OCE2264F638	22M SRA 16V M FM5 TP(5)
		C524	OCN1040K948	0.1M 50V ZF TA26
		C526	OCN2710K518	270P 50V KB TA26
		C528	OCN1030F678	0.01M 16V M Y TA26
		C529	OCE1054K636	1.0U SRA 50V M FM5 BP TP(D)
		C530	OCE4766F638	47M SMS 16V M FM5 TP5
		C531	CCC0800K015	8P 50V CNP0 TS
		C532	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C533	OCN1030F678	0.01M 16V M Y TA26
		C534	OCN1510K518	150P 50V KB TA26
		C535	OCE4754K638	4.7M SRA 50V M FM5 TP(5)
		C536	OCN1040K948	0.1M 50V ZF TA26
		C537	OCN1040K948	0.1M 50V ZF TA26
		C538	OCN1030F678	0.01M 16V M Y TA26
		C539	OCN1030F678	0.01M 16V M Y TA26
		C540	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C541	OCN1030F678	0.01M 16V M Y TA26
		C542	OCN1040K948	0.1M 50V ZF TA26
		C544	OCN4730K948	0.047M 50V ZF TA26
		C545	OCN1040K948	0.1M 50V ZF TA26
		C546	OCN2230H948	0.022M 25V ZF TA26
		C547	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C549	OCE2254K638	2.2M SRA 50V M FM5 TP(5)
		C550	OCN1030F678	0.01M 16V M Y TA26
		C551	OCQ3331N409	0.033U 100V J POLY TP
		C552	OCN1030F678	0.01M 16V M Y TA26
		C553	OCN1040K948	0.1M 50V ZF TA26
		C554	OCN1030F678	0.01M 16V M Y TA26
		C555	OCE2274C638	220M SRA 6.3V M FM5 TP(5)
		C556	OCE4754K638	4.7M SRA 50V M FM5 TP(5)
		C557	OCE1064F638	10M SRA 16V M FM5 TP(5)
		C558	OCE1074F638	100U SRA 16V M FM5 TP(5)

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C559	OCE4766F638	47M SMS 16V M FM5 TP5
		C560	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C561	OCE4776F638	470UF SMS 16V M FM5 TP5
		C562	OCN1040K948	0.1M 50V ZF TA26
		C564	OCN2230H948	0.022M 25V ZF TA26
		C566	OCN1040K948	0.1M 50V ZF TA26
		C567	OCN1040K948	0.1M 50V ZF TA26
		C568	OCN1040K948	0.1M 50V ZF TA26
		C569	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C570	OCE1074F638	100U SRA 16V M FM5 TP(5)
		C571	OCN1040K948	0.1M 50V ZF TA26
		C572	OCE1074F638	100U SRA 16V M FM5 TP(5)
		C573	OCN1040K948	0.1M 50V ZF TA26
		C574	OCE2253K636	2.2000UF SRE 50V M FM5 BP(D) T
		C577	OCN1040K948	0.1M 50V ZF TA26
		C580	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C582	OCN1030F678	0.01M 16V M Y TA26
		C590	OCN1030F678	0.01M 16V M Y TA26
		C592	OCN1040K948	0.1M 50V ZF TA26
		C593	OCN2210K518	220P 50V KB TA26
		C595	OCN1040K948	0.1M 50V ZF TA26
		C596	OCN1040K948	0.1M 50V ZF TA26
		C5X3	OCN2230H948	0.022M 25V ZF TA26
		C601	OCN1040K948	0.1M 50V ZF TA26
		C602	OCN1040K948	0.1M 50V ZF TA26
		C603	OCE1064F638	10M SRA 16V M FM5 TP(5)
		C604	OCN1040K948	0.1M 50V ZF TA26
		C605	OCK1020K945	1000P 50V ZF TS
		C606	OCN1040K948	0.1M 50V ZF TA26
		C607	OCN1010K518	100P 50V KB TA26
		C608	OCN1030F678	0.01M 16V M Y TA26
		C701	OCN1030F678	0.01M 16V M Y TA26
		C702	OCE4766F638	47M SMS 16V M FM5 TP5
		C703	OCN1030F678	0.01M 16V M Y TA26
		C704	OCE4766F638	47M SMS 16V M FM5 TP5
		C705	OCQ3321N409	0.0033U 100V J POLY TP
		C706	OCQ1041N409	0.1U 100V J POLY TP
		C707	OCQ1041N409	0.1U 100V J POLY TP
		C708	OCQ1041N409	0.1U 100V J POLY TP
		C709	OCN1040K948	0.1M 50V ZF TA26
		C710	OCE4756K638	4.7M SMS 50V M FM5 TP(5)
		C711	OCE4766F638	47M SMS 16V M FM5 TP5
		C712	OCN1030F678	0.01M 16V M Y TA26
		C714	OCN1030F678	0.01M 16V M Y TA26
		C715	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C716	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C717	OCE1066F638	10UF SMS 16V M FM5 TP5
		C721	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C722	OCE1054K636	1.0U SRA 50V M FM5 BP TP(D)
		C723	OCN1030F678	0.01M 16V M Y TA26
		C741	OCN2210K518	220P 50V KB TA26
		C742	OCN2230H948	0.022M 25V ZF TA26
		C750	OCN1030F678	0.01M 16V M Y TA26
		C751	OCN1030F678	0.01M 16V M Y TA26
		C752	OCN1030F678	0.01M 16V M Y TA26
		C753	OCE4766F638	47M SMS 16V M FM5 TP5
		C754	OCN1030F678	0.01M 16V M Y TA26
		C755	OCE4766F638	47M SMS 16V M FM5 TP5
		C756	OCN1030F678	0.01M 16V M Y TA26
		C757	OCN4710K518	470P 50V KB TA26
		C758	OCN2230H948	0.022M 25V ZF TA26
		C759	OCQ1041N409	0.1U 100V J POLY TP



S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C760	OCX2700K408	27P 50V J SL TA26
		C761	OCQ1031N409	0.01UF 100V J PE TP
		C762	OCE2256K638	2.2M SMS 50V M FM5 TP(5)
		C763	OCX4700K408	47P 50V J SL TA26
		C764	OCX4700K408	47P 50V J SL TA26
		C765	CCC0800K115	8P 50V D NPO TS
		C766	OCE2256K638	2.2M SMS 50V M FM5 TP(5)
		C767	OCE1056K638	1.0M SMS 50V M FM5 TP(5)
		C768	OCQ1041N409	0.1U 100V J POLY TP
		C769	OCE4766F638	47M SMS 16V M FM5 TP5
		C770	OCN1030F678	0.01M 16V M Y TA26
		C772	OCX2200K408	22P 50V J SL TP26
		C775	OCN1210K518	120P 50V K B TA26
		C801	OCE2256K638	2.2M SMS 50V M FM5 TP(5)
		C802	OCQ6831N409	0.068U 100V J POLY TP
		C803	CCC1010K405	100P 50V J SL TS
		C804	OCE1056K638	1.0M SMS 50V M FM5 TP(5)
		C805	OCQ3321N409	0.0033U 100V J POLY TP
		C807	OCE4766F638	47M SMS 16V M FM5 TP5
		C808	OCN2230H948	0.022M 25V Z F TA26
		C809	OCQ3321N409	0.0033U 100V J POLY TP
		C810	OCE1056K638	1.0M SMS 50V M FM5 TP(5)
		C812	OCN6810K518	680P 50V K B TA26
		C901	OCQ4731N409	0.047U 100V J POLY TP
		C902	OCQ4731N409	0.047U 100V J POLY TP
		C903	OCE1054K638	1.0M SRA/SS 50V M FM5 TP(5)
		C905	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C906	OCN1030F678	0.01M 16V M Y TA26
		C910	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C911	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C913	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C914	OCN1030F678	0.01M 16V M Y TA26
		C924	OCX3900K408	39P 50V J SL TA26
		C925	OCN2210K518	220P 50V K B TA26
		C926	OCN2210K518	220P 50V K B TA26
		C930	OCE4775C638	470M SR 6.3V M FM5 TP(5)
		C932	OCN1030F678	0.01M 16V M Y TA26
		C933	OCN1030F678	0.01M 16V M Y TA26
	OR	CP01	624-066C	AC CON 332 /400V,E,AA(S/S)
		CP01	624-086C	AC-CON 332/400V,E,NU(N/K)
		CP03	624-088B	ECQU2A104MVA AC250/0.1UF MATSU
	OR	CP05	624-066C	AC CON 332 /400V,E,AA(S/S)
		CP05	624-086C	AC-CON 332/400V,E,NU(N/K)
		CP06	624-082F	CE 68UF/400V SHLVN
		CP07	OCQ1041N409	0.1U 100V J POLY TP
		CP09	OCQ5621N409	0.0056U 100V J POLY TP
		CP10	OCQ1021N409	0.001U 100V J POLY TP
		CP11	OCE336BH638	33UF KME 25V M FM5 TP5
		CP12	OCQ4731N409	0.047U 100V J POLY TP
		CP14	624-087B	HIGH-VOL 100P/1KV SMPS SAMHWA
		CP15	OCQ1031Y501	0.01U 630V K POLY F5
		CP16	OCE4766K638	0.47M SMS 50V M TP(5)
	OR	CP17	624-084C	HER-0611-47-50-M SMPS RI-C
		CP17	624-085D	CE 47UF/50V KME (SMPS)
		CP18	OCE4776H638	470UF SMS 25V M FM5 TP5
		CP19	624-083E	1000/10V KME (SMPS) CE
	OR	CP19	624-084N	HER-1016-1000-10-M SMPS RI-C
		CP20	OCE3376D638	330UF SMS 10V M FM5 TP5
	OR	CP21	624-084C	HER-0611-47-50-M SMPS RI-C
		CP21	624-085D	CE 47UF/50V KME (SMPS)
		CP22	OCE477BH638	470UF KME 25V M FM5 TP5
	OR	CP24	624-066E	AC CON 472/400V,E,AA(S/S)

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		CP24	624-086E	AC-CON 472/400V,E,NU,(N/K)
		CP25	OCE1076D638	100M SMS 10V M FM5 TP(5)
	OR	CP26	624-066E	AC CON 472/400V,E,AA(S/S)
		CP26	624-086E	AC-CON 472/400V,E,NU,(N/K)
		CP28	624-086B	AC-CON 103/400V,Z,NU(N/K)
<b>DIODE</b>				
	OR	BDP01	0DD060000BA	DF06M,600V,1A G.I
		BDP01	0DD160000DA	S1WBA60(1A 600V) SHIDENKEN
		D301	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D303	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D304	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D305	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D309	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D315	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D316	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D401	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D402	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D403	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D404	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D405	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D500	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D501	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D502	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D503	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D504	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D505	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D506	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D507	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D509	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D511	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D512	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D513	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D514	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D515	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D601	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D602	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D603	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D611	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D614	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D704	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D901	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D905	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		DP01	0DD010009CA	EG01CW(R-FORM 5MM) TP SANKEN
	OR	DP01	0DD400709BA	UF4007 G.I
		DP02	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		DP05	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		DP07	0DD207000AA	2A07 2A RECTIFIERS(T/S)DELTA
		DP08	0DD310409AA	31DQ04 52MM TP TP INTA
	OR	DP08	0DD440000AA	RK-44(SCHTOKY) SANKEN
		DP10	0DD010009AC	EU01W(R-FORM) TP SANKEN
		DP12	0DD010009AC	EU01W(R-FORM) TP SANKEN
		DP13	0DD400000AH	RU4YX SANKEN
		DP17	0DD010009AC	EU01W(R-FORM) TP SANKEN
<b>DISPLAY TUBE</b>				
		DG601	514-032A	9BT-123GK 85X25 PAL SEJIN
<b>FUSE</b>				
		FP01	585-011C	T 1.6A 250V S506

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
<b>FILTER</b>				
		LP01	616-145A	LINE FILTER SQE TYPE 33MH(BUJ)
		Z750	616-099B	SAW OFWG1962 (SIEMENS) B/G
		Z751	616-038B	CERAMIC,SFSH5.5MCB MURATA
		Z752	616-036B	TRAP TPS5.5MB MURA
		Z755	616-714A	MKT40MA100P MURATA
<b>IC</b>				
		IC301	0ISA743700A	LA7437 (Y/C 1CHIP,NOT ADJ)
		IC302	0ISA741100A	LA7411 22SD 2HD AMP(VCR)
		IC304	0ISA899700A	LC89970 (1H CCD) OC3600
		IC401	0IRH779700A	BA7797 N/AUDIO
		IC501	0IH1839760D	H8/3976(HD6433976A09F)R-T40P/S
		IC502	0IGS744500A	GL7445 (MOTOR DRIV-1CH) GSS
	OR	IC503	0INA241600A	NM24C16N(EEPROM.16K) OC3600
		IC503	0DX1241600B	X24C16P EEPROM 16K DIP
		IC504	0IMT523000B	PST-523G/T(3.3V) LOW
		IC505	0IGS358000A	GL358
		IC506	0IMT523000C	PST-523D/T
	OR	IC601	0IRH287600A	BU2876K FLD
		IC601	0IRH287900A	BU2879K FDP DRIVE
		IC701	0ISA791000A	LA7910 TV BAND SELEC
		IC750	0IPH980000A	TDA9800 VIF PLL DEM & FM DET
		IC801	0JNR222900A	NJM2229S SYNC SEPA (SIP PACK)
		IC902	0ISM564900A	SDA5649 (VPS+PDC)
		IC903	0IGS381600A	GL3816
		ICP01	0IFE531100A	FA5311P PWM IC (FUJI) DIP
		ICP03	0IKE431000A	KIA431
		ZD702	0IKE574000B	KIA574AT ZENOR IC 2K/TP
<b>COIL</b>				
		B901	0LA0560K018	0.56M K 2.3X3.4 L5 TP
		L302	0LR1000J035	100M J 6X6 L5 TP
		L303	0LA1000K018	100M K 2.3X3.4 L5 TP
		L304	0LR1000J035	100M J 6X6 L5 TP
		L309	0LR1000J035	100M J 6X6 L5 TP
		L310	0LA0561K018	5.6M K 2.3X3.4 L5 TP
		L311	0LA0392K018	39M K 2.3X3.4 L5 TP
		L312	0LA1500K018	150M K 2.3X3.4 L5 TP
		L315	0LA0332K018	33M K 2.3X3.4 L5 TP
		L350	0LA0821K018	8.2M K 2.3X3.4 L5 TP
		L353	0LA0152K018	15M K 2.3X3.4 L5 TP
		L354	0LA1000K018	100M K 2.3X3.4 L5 TP
		L355	0LA0152K018	15M K 2.3X3.4 L5 TP
		L356	0LA0152K018	15M K 2.3X3.4 L5 TP
		L357	0LR5600K035	560M K 6X6 L5 TP
		L358	0LA0222K018	22M K 2.3X3.4 L5 TP
		L359	0LA0332K018	33M K 2.3X3.4 L5 TP
		L361	0LR1000J035	100M J 6X6 L5 TP
		L371	0LA0822K018	82M K 2.3X3.4 L5 TP
		L372	0LA2700K018	270U K 2.3X3.4 L5 TP
		L401	0LR1000K035	100M K 6X6 L5 TP
		L402	0LR6801J045	6800U J 6X7 L5 TP
		L403	0LA0102K018	10M K 2.3X3.4 L5 TP
		L501	0LR1000K035	100M K 6X6 L5 TP
		L505	0LR1000K035	100M K 6X6 L5 TP
		L506	0LR0152K035	15M K 6X6 L5 TP
		L508	0LR1000K035	100M K 6X6 L5 TP
		L510	0LA0332K018	33M K 2.3X3.4 L5 TP
		L512	0LR1000K035	100M K 6X6 L5 TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		L513	0LR1000K035	100M K 6X6 L5 TP
		L514	0LR1000K035	100M K 6X6 L5 TP
		L515	0LR1000K035	100M K 6X6 L5 TP
		L516	0LR0222K035	22M K 6X6 L5 TP
		L601	0LR1000K035	100M K 6X6 L5 TP
		L701	0LR1000K035	100M K 6X6 L5 TP
		L702	0LR1000K035	100M K 6X6 L5 TP
		L703	0LR1000K035	100M K 6X6 L5 TP
		L704	0LA0222K018	22M K 2.3X3.4 L5 TP
		L750	0LA0121K018	1.2M K 2.3X3.4 L5 TP
		L751	0LR1000K035	100M K 6X6 L5 TP
		L752	0LA0332K018	33M K 2.3X3.4 L5 TP
		L753	0LA0152K018	15M K 2.3X3.4 L5 TP
		L754	0LA0102K018	10M K 2.3X3.4 L5 TP
		L755	0LR1000K035	100M K 6X6 L5 TP
		L756	0LR1000K035	100M K 6X6 L5 TP
		L757	0LA0220K018	0.22M K 2.3X3.4 L5 TP
		L758	0LA0121K018	1.2M K 2.3X3.4 L5 TP
		L801	0LR1000K035	100M K 6X6 L5 TP
		L901	0LR1000K035	100M K 6X6 L5 TP
		L902	0LR1000K035	100M K 6X6 L5 TP
		L903	0LA1000K018	100M K 2.3X3.4 L5 TP
		L904	0LA1000K018	100M K 2.3X3.4 L5 TP
		L905	0LA1000K018	100M K 2.3X3.4 L5 TP
		L909	0LR6801J045	6800U J 6X7 L5 TP
		LP03	633-088A	SC-20M CHOKE,COIL
		LP04	633-088A	SC-20M CHOKE,COIL
		T401	633-032F	BIAS 126QN-K5171YA0-KR-K TOKO
		T750	633-085A	V-COIL 2920N-K5592Z 77.8 TOKO
<b>LED</b>				
		LED501	0DL390009AA	GL380JTP IR LED D-27 TP SHARP
<b>CONNECTOR</b>				
		PM701	561-281G	8283-0812 (STICK)
		PM702	561-281G	8283-0812 (STICK)
<b>CIRCUIT BOARD ASSEMBLY</b>				
		PBAFC	6871R-0404A	AFC BOARD
		PBI00	6871R-0265B	IF
		PBJ00	6871R-0266D	JACK 1SCART
		PBM00	6871R-0263G	MAIN
		PBT00	6871R-0421A	TIMER
<b>TRANSISTOR</b>				
		Q303	0TR319909AF	KTC3199-BL MINI TP KEC
		Q307	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q308	0TR319909AF	KTC3199-BL MINI TP KEC
		Q309	0TR319909AF	KTC3199-BL MINI TP KEC
		Q310	0TR126709AC	KTA1267-GR MINI TP KEC
		Q311	0TR319909AF	KTC3199-BL MINI TP KEC
		Q312	0TR319909AF	KTC3199-BL MINI TP KEC
		Q315	0TR126709AC	KTA1267-GR MINI TP KEC
		Q401	0TR103009AF	KRA103M-TP (KRA2203) KEC
		Q402	0TR103009AF	KRA103M-TP (KRA2203) KEC
		Q403	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q404	0TR126609AE	KTA1266-GR,TP(KTA1015),KEC
		Q405	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
		Q406	0TR126609AE	KTA1266-GR,TP(KTA1015),KEC
		Q407	0TR103009AE	KRC103M-TP (KRC1203) KEC

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		Q408	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q501	0TR141400AA	KTD1414 POWER (220 PACK) KEC
		Q502	0TR103009AF	KRA103M-TP (KRA2203) KEC
		Q503	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q504	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q506	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
		Q507	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q508	0TR126709AC	KTA1267-GR MINI TP KEC
		Q509	0TR126709AC	KTA1267-GR MINI TP KEC
		Q510	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q511	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q513	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
		Q514	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q515	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q522	0TR127309AA	KTA1273-TP-Y (KTA966A)KEC
		Q523	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q524	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q525	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q526	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q529	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q701	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q702	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q703	0TR126709AC	KTA1267-GR MINI TP KEC
		Q704	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q750	0TR319709AC	KTC3197 (KTC388A) TP KEC
		Q751	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q801	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q901	0TR126609AE	KTA1266-GR,TP(KTA1015),KEC
		Q902	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q903	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q904	0TR126609AE	KTA1266-GR,TP(KTA1015),KEC
<b>RESISTOR</b>				
		R301	0RH1201D622	1.2K 1/10W 5 D.R/TP
		R302	0RH1201D622	1.2K 1/10W 5 D.R/TP
		R303	0RH4702D622	47K 1/10W 5 D.R/TP
		R305	0RH1001D622	1.0K 1/10W 5 D.R/TP
		R306	0RH8201D622	8.2K 1/10W 5 D.R/TP
		R308	0RH2201D622	2.2K 1/10W 5 D.R/TP
		R309	0RH2701D622	2.7K 1/10W 5 D.R/TP
		R310	0RH6800D622	680 1/10W 5 D.R/TP
		R311	0RH1001D622	1.0K 1/10W 5 D.R/TP
		R315	0RH4701D622	4.7K 1/10W 5 D.R/TP
		R316	0RH1501D622	1.5K 1/10W 5 D.R/TP
		R317	0RH5602D622	56K 1/10W 5 D.R/TP
		R318	0RH2202D622	22K 1/10W 5 D.R/TP
		R320	0RH8202D622	82K 1/10W 5 D.R/TP
		R321	0RH1001D622	1.0K 1/10W 5 D.R/TP
		R331	0RH2202D622	22K 1/10W 5 D.R/TP
		R333	0RH1501D622	1.5K 1/10W 5 D.R/TP
		R334	0RH1202D622	12K 1/10W 5 D.R/TP
		R335	0RH3302D622	33K 1/10W 5 D.R/TP
		R336	0RH5600D622	560 1/10W 5 D.R/TP
		R337	0RH1801D622	1.8K 1/10W 5 D.R/TP
		R338	0RH1802D622	18K 1/10W 5 D.R/TP
		R339	0RH0000D622	0 1/10W 5 D.R/TP
		R340	0RH1001D622	1.0K 1/10W 5 D.R/TP
		R341	0RH2700D622	270 1/10W 5 D.R/TP
		R342	0RH6800D622	680 1/10W 5 D.R/TP
		R343	0RH4700D622	470 1/10W 5 D.R/TP
		R344	0RH4701D622	4.7K 1/10W 5 D.R/TP
		R345	0RH5600D622	560 1/10W 5 D.R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R347	0RH1201D622	1.2K 1/10W 5 D.R/TP
		R348	0RH3900D622	390 1/10W 5 D.R/TP
		R349	0RH5600D622	560 1/10W 5 D.R/TP
		R350	0RH1001D622	1.0K 1/10W 5 D.R/TP
		R351	0RH4700D622	470 1/10W 5 D.R/TP
		R353	0RH1001D622	1.0K 1/10W 5 D.R/TP
		R354	0RH2201D622	2.2K 1/10W 5 D.R/TP
		R356	0RH1201D622	1.2K 1/10W 5 D.R/TP
		R357	0RH3900D622	390 1/10W 5 D.R/TP
		R358	0RH1001D622	1.0K 1/10W 5 D.R/TP
		R359	0RH2201D622	2.2K 1/10W 5 D.R/TP
		R360	0RH2201D622	2.2K 1/10W 5 D.R/TP
		R361	0RH8200D622	820 1/10W 5 D.R/TP
		R362	0RH1800D622	180 1/10W 5 D.R/TP
		R370	0RH2201D622	2.2K 1/10W 5 D.R/TP
		R377	0RH1802D622	18K 1/10W 5 D.R/TP
		R378	0RH1501D622	1.5K 1/10W 5 D.R/TP
		R3A1	0RH1001D622	1.0K 1/10W 5 D.R/TP
		R3A2	0RH0000D622	0 1/10W 5 D.R/TP
		R3A3	0RH0000D622	0 1/10W 5 D.R/TP
		R3A4	0RH0000D622	0 1/10W 5 D.R/TP
		R3A6	0RH0000D622	0 1/10W 5 D.R/TP
		R3A9	0RH5600D622	560 1/10W 5 D.R/TP
		R3B3	0RH0000D622	0 1/10W 5 D.R/TP
		R3P1	0RH0000D622	0 1/10W 5 D.R/TP
		R401	0RD1002F608	10K 1/6W 5 TA26
		R402	0RD3303F608	330K 1/6W 5 TA26
		R403	0RD1502F608	15K 1/6W 5 TA26
		R404	0RD1500F608	150 1/6W 5 TA26
		R405	0RD1004F608	1.0M 1/6W 5 TA26
		R406	0RD1002F608	10K 1/6W 5 TA26
		R407	0RD4701F608	4.7K 1/6W 5 TA26
		R408	0RD0681F608	6.8 1/6W 5 TA26
		R409	0RD0472F608	47 1/6W 5 TA26
		R410	0RD4702F608	47K 1/6W 5 TA26
		R411	0RD1501F608	1.5K 1/6W 5 TA26
		R412	0RD1201F608	1.2K 1/6W 5 TA26
		R413	0RD1802F608	18K 1/6W 5 TA26
		R414	0RD2702F608	27K 1/6W 5 TA26
		R415	0RD3302F608	33K 1/6W 5 TA26
		R416	0RD0102F608	10 1/6W 5 TA26
		R417	0RD8201F608	8.2K 1/6W 5 TA26
		R418	0RD1502F608	15K 1/6W 5 TA26
		R419	0RD1200F608	120 1/6W 5 TA26
		R420	0RD3302F608	33K 1/6W 5 TA26
		R421	0RD1002F608	10K 1/6W 5 TA26
		R423	0RD3302F608	33K 1/6W 5 TA26
		R424	0RD1002F608	10K 1/6W 5 TA26
		R425	0RD3301F608	3.3K 1/6W 5 TA26
		R426	0RD4701F608	4.7K 1/6W 5 TA26
		R427	0RD4701F608	4.7K 1/6W 5 TA26
		R428	0RD1002F608	10K 1/6W 5 TA26
		R429	0RD3301F608	3.3K 1/6W 5 TA26
		R430	0RD3902F608	39K 1/6W 5 TA26
		R431	0RD1802F608	18K 1/6W 5 TA26
		R432	0RD1502F608	15K 1/6W 5 TA26
		R433	0RD1002F608	10K 1/6W 5 TA26
		R434	0RD1202F608	12K 1/6W 5 TA26
		R500	0RD4701F608	4.7K 1/6W 5 TA26
		R501	0RD4701F608	4.7K 1/6W 5 TA26
		R502	0RD6801F608	6.8K 1/6W 5 TA26
		R503	0RD1002F608	10K 1/6W 5 TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R504	ORD0681F608	6.8 1/6W 5 TA26
		R505	ORD1001F608	1.0K 1/6W 5 TA26
		R506	ORD4701F608	4.7K 1/6W 5 TA26
		R507	ORD4701F608	4.7K 1/6W 5 TA26
		R508	ORD4701F608	4.7K 1/6W 5 TA26
		R509	ORD4701F608	4.7K 1/6W 5 TA26
		R510	ORD4701F608	4.7K 1/6W 5 TA26
		R511	ORD4701F608	4.7K 1/6W 5 TA26
		R512	ORD4701F608	4.7K 1/6W 5 TA26
		R513	ORD1002F608	10K 1/6W 5 TA26
		R514	ORD0681F608	6.8 1/6W 5 TA26
		R515	ORD1004F608	1.0M 1/6W 5 TA26
		R516	ORD1202F608	12K 1/6W 5 TA26
		R518	ORD5601F608	5.6K 1/6W 5 TA26
		R519	ORD1004F608	1.0M 1/6W 5 TA26
		R521	ORD1502F608	15K 1/6W 5 TA26
		R525	ORD1002F608	10K 1/6W 5 TA26
		R526	ORD1002F608	10K 1/6W 5 TA26
		R527	ORD4701F608	4.7K 1/6W 5 TA26
		R528	ORD1002F608	10K 1/6W 5 TA26
		R529	ORD4701F608	4.7K 1/6W 5 TA26
		R531	ORD5601F608	5.6K 1/6W 5 TA26
		R532	ORD2202F608	22K 1/6W 5 TA26
		R533	ORD2202F608	22K 1/6W 5 TA26
		R534	ORD4703F608	470K 1/6W 5 TA26
		R535	ORD5601F608	5.6K 1/6W 5 TA26
		R536	ORD2200F608	220 1/6W 5 TA26
		R537	ORD4701F608	4.7K 1/6W 5 TA26
		R538	ORD1002F608	10K 1/6W 5 TA26
		R539	ORD5602F608	56K 1/6W 5 TA26
		R540	ORD1001F608	1.0K 1/6W 5 TA26
		R541	ORD1004F608	1.0M 1/6W 5 TA26
		R542	ORD2200F608	220 1/6W 5 TA26
		R543	ORD3302F608	33K 1/6W 5 TA26
		R544	ORD3302F608	33K 1/6W 5 TA26
		R545	ORD1001F608	1.0K 1/6W 5 TA26
		R546	ORD1001F608	1.0K 1/6W 5 TA26
		R547	ORD5601F608	5.6K 1/6W 5 TA26
		R548	ORD1003F608	100K 1/6W 5 TA26
		R549	ORD1002F608	10K 1/6W 5 TA26
		R551	ORD2200F608	220 1/6W 5 TA26
		R552	ORD2200F608	220 1/6W 5 TA26
		R554	ORD1501F608	1.5K 1/6W 5 TA26
		R555	ORD2200F608	220 1/6W 5 TA26
		R556	ORD2702F608	27K 1/6W 5 TA26
		R557	ORD3302F608	33K 1/6W 5 TA26
		R558	ORD3302F608	33K 1/6W 5 TA26
		R559	ORD1002F608	10K 1/6W 5 TA26
		R560	ORD1002F608	10K 1/6W 5 TA26
		R561	ORD5600F608	560 1/6W 5 TA26
		R562	ORD5600F608	560 1/6W 5 TA26
		R563	ORD1002F608	10K 1/6W 5 TA26
		R564	ORD2702F608	27K 1/6W 5 TA26
		R565	ORD1001F608	1.0K 1/6W 5 TA26
		R567	ORD2201F608	2.2K 1/6W 5 TA26
		R568	ORD2703F608	270K 1/6W 5 TA26
		R569	ORD1203F608	120K 1/6W 5 TA26
		R570	ORD1001F608	1.0K 1/6W 5 TA26
		R572	ORD2201F608	2.2K 1/6W 5 TA26
		R574	ORD1802F608	18K 1/6W 5 TA26
		R575	ORD6801F608	6.8K 1/6W 5 TA26
		R576	ORD2702F608	27K 1/6W 5 TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R580	ORD4701F608	4.7K 1/6W 5 TA26
		R581	ORD0101F608	1.0 1/6W 5 TA26
		R582	ORD1001F608	1.0K 1/6W 5 TA26
		R583	ORD1001F608	1.0K 1/6W 5 TA26
		R584	ORD1001F608	1.0K 1/6W 5 TA26
		R585	ORD1001F608	1.0K 1/6W 5 TA26
		R586	ORD1000F608	100 1/6W 5 TA26
		R587	ORD1000F608	100 1/6W 5 TA26
		R588	ORD1001F608	1.0K 1/6W 5 TA26
		R589	ORD1000F608	100 1/6W 5 TA26
		R590	ORD6801F608	6.8K 1/6W 5 TA26
		R591	ORD0101F608	1.0 1/6W 5 TA26
		R592	ORD4701F608	4.7K 1/6W 5 TA26
		R593	ORD4701F608	4.7K 1/6W 5 TA26
		R594	ORD4701F608	4.7K 1/6W 5 TA26
		R595	ORD1001F608	1.0K 1/6W 5 TA26
		R596	ORD1001F608	1.0K 1/6W 5 TA26
		R597	ORD1001F608	1.0K 1/6W 5 TA26
		R598	ORD1801F608	1.8K 1/6W 5 TA26
		R599	ORD4701F608	4.7K 1/6W 5 TA26
		R5A2	ORD1000F608	100 1/6W 5 TA26
		R5A3	ORD4701F608	4.7K 1/6W 5 TA26
		R5A4	ORD4701F608	4.7K 1/6W 5 TA26
		R5A5	ORD5601F608	5.6K 1/6W 5 TA26
		R5A6	ORD5601F608	5.6K 1/6W 5 TA26
		R5A7	ORD1001F608	1.0K 1/6W 5 TA26
		R5A9	ORD4701F608	4.7K 1/6W 5 TA26
		R5B1	ORD1000F608	100 1/6W 5 TA26
		R5B2	ORD0102F608	10 1/6W 5 TA26
		R5B3	ORD1001F608	1.0K 1/6W 5 TA26
		R5B4	ORD1803F608	180K 1/6W 5 TA26
		R5X3	ORD2200F608	220 1/6W 5 TA26
		R5X4	ORD2200F608	220 1/6W 5 TA26
		R5X5	ORD2200F608	220 1/6W 5 TA26
		R5X7	ORD2202F608	22K 1/6W 5 TA26
		R5X8	ORD1002F608	10K 1/6W 5 TA26
		R601	ORD1201F608	1.2K 1/6W 5 TA26
		R602	ORD2201F608	2.2K 1/6W 5 TA26
		R603	ORD8200F608	820 1/6W 5 TA26
		R604	ORD1201F608	1.2K 1/6W 5 TA26
		R605	ORD2201F608	2.2K 1/6W 5 TA26
		R606	ORD3901F608	3.9K 1/6W 5 TA26
		R608	ORD0471F608	4.7 1/6W 5 TA26
		R609	ORD0471F608	4.7 1/6W 5 TA26
		R610	ORD3302F608	33K 1/6W 5 TA26
		R611	ORD5602F608	56K 1/6W 5 TA26
		R612	ORD5602F608	56K 1/6W 5 TA26
		R613	ORD5602F608	56K 1/6W 5 TA26
		R614	ORD5602F608	56K 1/6W 5 TA26
		R616	ORD4701F608	4.7K 1/6W 5 TA26
		R617	ORD8200F608	820 1/6W 5 TA26
		R701	ORD0822F608	82 1/6W 5 TA26
		R704	ORD1002F608	10K 1/6W 5 TA26
		R705	ORD1002F608	10K 1/6W 5 TA26
		R706	ORD1202F608	12K 1/6W 5 TA26
		R707	ORD1202F608	12K 1/6W 5 TA26
		R708	ORD1202F608	12K 1/6W 5 TA26
		R709	ORD1002F608	10K 1/6W 5 TA26
		R710	ORD5601F608	5.6K 1/6W 5 TA26
		R711	ORD5601F608	5.6K 1/6W 5 TA26
		R712	ORD3301F608	3.3K 1/6W 5 TA26
		R716	ORD2202F608	22K 1/6W 5 TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R717	ORD2203F608	220K 1/6W 5 TA26
		R720	ORD4700F608	470 1/6W 5 TA26
		R721	ORD2202F608	22K 1/6W 5 TA26
		R722	ORD2202F608	22K 1/6W 5 TA26
		R726	ORD5601F608	5.6K 1/6W 5 TA26
		R751	ORD4701F608	4.7K 1/6W 5 TA26
		R752	ORD1201F608	1.2K 1/6W 5 TA26
		R753	ORD5600F608	560 1/6W 5 TA26
		R754	ORD0472F608	47 1/6W 5 TA26
		R755	ORD1200F608	120 1/6W 5 TA26
		R757	ORD2701F608	2.7K 1/6W 5 TA26
		R758	ORD2701F608	2.7K 1/6W 5 TA26
		R759	ORD2200F608	220 1/6W 5 TA26
		R760	ORD2700F608	270 1/6W 5 TA26
		R761	ORD5601F608	5.6K 1/6W 5 TA26
		R763	ORD1001F608	1.0K 1/6W 5 TA26
		R764	ORD8201F608	8.2K 1/6W 5 TA26
		R765	ORD1802F608	18K 1/6W 5 TA26
		R766	ORD2200F608	220 1/6W 5 TA26
		R767	ORD2700F608	270 1/6W 5 TA26
		R768	ORD2202F608	22K 1/6W 5 TA26
		R769	ORD2202F608	22K 1/6W 5 TA26
		R770	ORD1201F608	1.2K 1/6W 5 TA26
		R801	ORD3900F608	390 1/6W 5 TA26
		R802	ORD1001F608	1.0K 1/6W 5 TA26
		R803	ORD4700F608	470 1/6W 5 TA26
		R805	ORD1002F608	10K 1/6W 5 TA26
		R807	ORD5601F608	5.6K 1/6W 5 TA26
		R901	ORD5603F608	560K 1/6W 5 TA26
		R902	ORD6801F608	6.8K 1/6W 5 TA26
		R903	ORD5603F608	560K 1/6W 5 TA26
		R904	ORD6801F608	6.8K 1/6W 5 TA26
		R905	ORD8202F608	82K 1/6W 5 TA26
		R906	ORD1004F608	1.0M 1/6W 5 TA26
		R907	ORD1001F608	1.0K 1/6W 5 TA26
		R909	ORD1002F608	10K 1/6W 5 TA26
		R910	ORD2201F608	2.2K 1/6W 5 TA26
		R911	ORD1001F608	1.0K 1/6W 5 TA26
		R914	ORD0752F608	75 1/6W 5 TA26
		R918	ORD0682F608	68 1/6W 5 TA26
		R922	ORD5601F608	5.6K 1/6W 5 TA26
		R923	ORD5601F608	5.6K 1/6W 5 TA26
		R928	ORD1002F608	10K 1/6W 5 TA26
		R932	ORD8201F608	8.2K 1/6W 5 TA26
		R935	ORD1001F608	1.0K 1/6W 5 TA26
		R936	ORD1001F608	1.0K 1/6W 5 TA26
		R940	ORD1000F608	100 1/6W 5 TA26
		R941	ORD3900F608	390 1/6W 5 TA26
		RP01	614-007A	2.7/2W CEMENT SMPS V
		RP02	ORD4702F608	47K 1/6W 5 TA26
		RP03	ORD4702F608	47K 1/6W 5 TA26
		RP04	614-006B	MATAL OXIDE SMALL 0.47/2W,5%
		RP05	ORD1202F608	12K 1/6W 5 TA26
		RP07	ORD1800F608	180 1/6W 5 TA26
		RP08	ORD0752F608	75 1/6W 5 TA26
		RP09	ORD0222F608	22 1/6W 5 TA26
		RP10	ORD5101F608	5.1K 1/6W 5 TA26
		RP13	ORD1800F608	180 1/6W 5 TA26
		RP14	614-006C	MATAL OXIDE SMALL 56K/2W,5%
		RP15	ORD2201F608	2.2K 1/6W 5 TA26
		RP16	ORN3301F408	3.3K 1/6W 1 TA26
		RP17	ORD3300F608	330 1/6W 5 TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		RP18	ORD1001F608	1.0K 1/6W 5 TA26
		RP19	ORN4701F408	4.7K 1/6W 1 TA26
		RP20	ORD0222F608	22 1/6W 5 TA26
		RP21	ORD1003F608	100K 1/6W 5 TA26
<b>REMOCON RECEIVER</b>				
		RC601	668-227R	RECE 20.0 3276A 2800 KOTECO
<b>SENSOR</b>				
	OR	ICP02	657-061B	PHOTO COUPLER PS2561-1-V NEC
		ICP02	657-062B	PC123Y PHOTO-COUPLER(SHARP)
		S503	657-040B	REEL RPI-352Q01 D-27 ROHM-J
		S504	657-040B	REEL RPI-352Q01 D-27 ROHM-J
<b>SCART</b>				
		JK901	573-019A	RGB SOCKET (BRS-03S) ANGLE
<b>SWITCH</b>				
		SW501	556-244A	REC SW,MPU10105MMBO,MIC
		SW502	556-243D	F/L S/W,MPU10400(MIC),D-27
		SW601	556-219A	SKHV10910A (GS ALPS)
		SW602	556-219A	SKHV10910A (GS ALPS)
		SW603	556-219A	SKHV10910A (GS ALPS)
		SW604	556-219A	SKHV10910A (GS ALPS)
		SW605	556-219A	SKHV10910A (GS ALPS)
		SW606	556-219A	SKHV10910A (GS ALPS)
		SW607	556-219A	SKHV10910A (GS ALPS)
		SW608	556-219A	SKHV10910A (GS ALPS)
		SW609	556-219A	SKHV10910A (GS ALPS)
<b>TUNER</b>				
		TU701	521-415A	MTSH7HD23 B/G VS HYPER SHARP
<b>VARIABLE RESISTOR</b>				
		VR401	613-032W	RH0638CJ5R (220K)
		VR501	613-032N	RH0638C14R14A (10K)
		VR502	613-004J	VR RH0681CJ3J(2.2K),J/ALPS
		VR701	613-032Q	RH0638CJ4R0WA (22K)
<b>CRYSTAL</b>				
		X301	529-020P	4.433619MHZ 15PPM GRAY L-4.0
		X501	529-020I	10.000000MHZ 30PPM NO-TU L-4.0
		X502	529-001K	32.768KHZ 3*8 SEIKO (20PPM)
		X503	529-022V	17.734476MHZ CL-12P 25PPM LEAD
		X801	529-019A	CSB500F-9 MURATA
<b>ZENER DIODE</b>				
		DP03	0DZ220009ED	MTZ22B T-77 TP ROHM
		ZD501	0DZ750009DA	MTZ7.5B TP ROHM-K
		ZD502	0DZ130009AA	MTZ13A TP ROHM-K
		ZD503	0DZ150009BA	MTZ15A TP ROHM-K
		ZD504	0DZ560009CB	MTZ5.6C,0.5W(26MM) TP ROHM
		ZD505	0DZ270009CA	MTZ27C TP ROHM-KOREA
		ZD901	0DZ150009BC	MTZ15B ROHM-K
		ZD902	0DZ150009BC	MTZ15B ROHM-K
		ZDP02	0DZ560009CA	MTZ5.6B TP ROHM-K
		ZDP06	0DZ180009CA	MTZ18B TP ROHM-K



# SECTION 5 REPLACEMENT PARTS LIST

• Mechanical Section (MODEL : T213HP)

RUN DATE : 95.07.13  
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
ASSEMBLY PARTS SECTION						
	OR	A00	412-183A	DECK	ASSY D-27 P (2HD MONO VCR)	NSP
		A00	412N183A	DECK	V/D D-27 P (2HD MONO VCR)	
		A01	413-312E	DRUM	ASSY V-2CH(P1)D27	
	OR	A01	413B312E	DRUM	ASSY V-2CH(P1) D27 BOKWANG	
		A02	225-361A	BASE	ASSY P2	
		A03	225-364A	BASE	ASSY P3	
		A04	386-394A	ARM	ASSY CLEANER	
		A05	386-405A	ARM	ASSY T/UP	
		A06	321-668A	BRACKET	ASSY L/D MOTOR	
		A07	340-070A	HOLDER	ASSY PINCH	
		A08	333-331A	LEVER	ASSY F/R	
		A09	435-435A	GEAR	ASSY P2	
		A10	435-437A	GEAR	ASSY P3	
		A12	333-329A	LEVER	ASSY TENSION	
		A13	328-075A	BAND	ASSY TENSION	
		A20	219-023A	HOUSING	ASSY D-27	
		A21	340-010A	HOLDER	ASSY CST	
		A22	321-672A	BRACKET	ASSY SIDE(R)	
PARTS SECTION						
	OR	001	413-315A	DRUM	SUB ASSY(P1)	NSP
		002	414-209A	MOTOR	ASSY DRUM GVD-027A ALPS	
		002	414-217A	MOTOR	ASSY DRUM E20XL14 D27 SANKYO	NSP
		003	311-011A	CHASSIS ASSY'	D27	
		004	225-362A	BASE	SUB ASSY P2	NSP
		006	225-368A	BASE	DRUM	
		007	225-371A	BASE	ASSY A/C	NSP
		010	225-365A	BASE	SUB ASSY P3	
		012	225-399A	BASE	ASSY BRUSH	NSP
		013	386-395A	ARM	CLEANER	
		014	324-835B	HOLDER	ASSY CLEANER	NSP
		015	386-392A	ARM	ASSY TENSION	
		020	442-640A	SPRING	TENSION	NSP
		021	456-070A	REEL	S27	
		022	456-071A	REEL	T27	NSP
		025	340-008A	HOLDER	BAND(C)	
		026	333-330A	LEVER	TENSION	NSP
		030	338-112A	BRAKE	ASSY SM	
		031	338-114A	BRAKE	ASSY TM	NSP
		032	442-655A	SPRING	MB	
		033	338-116A	BRAKE	ASSY TS	NSP
		034	442-654A	SPRING	TSB	
		035	316-019A	BODY	PRISM LED	NSP
		036	257-071A	PLATE	UP	
		040	435-441A	GEAR	PINCH CAM	NSP
		041	435-440A	GEAR	PINCH	
		042	435-439A	GEAR	CNT	NSP
		043	386-404A	ARM	SUB ASSY T/UP	

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		044	442-650A	SPRING	T/UP	NSP
		045	321-669A	BRACKET	L/D MOTOR	
		046	414-199A	MOTOR	ASSY L/D	
		047	437-019A	WORM	L/D MOTOR	
		048	437-020A	WORM	WHEEL	
		050	386-401A	ARM	ASSY PINCH	
		051	340-073A	HOLDER	SUB ASSY PINCH	
		052	225-374A	BASE	TENSION	
		053	333-332A	LEVER	F/R	NSP
		054	442-645A	SPRING	F/R	NSP
		055	442-649A	SPRING	PINCH	NSP
		056	333-334A	LEVER	ASSY P2	NSP
		057	386-398A	ARM	F/R	
		060	435-436A	GEAR	P2	NSP
		061	442-647A	SPRING	P2	NSP
		062	333-336A	LEVER	ASSY P3	NSP
		063	435-438A	GEAR	P3	NSP
		064	442-648A	SPRING	P3	NSP
		065	435-442A	GEAR	P/S	
		066	257-070A	PLATE	SLIDER	
		070	337-007B	CLUTCH	ASSY S27	
		071	337-008A	CLUTCH	ASSY T27	
		072	386-396A	ARM	ASSY IDLER	
		073	442-644A	SPRING	UP/D	
		074	434-173A	ROLLER	ASSY GUIDE	
		075	435-433A	GEAR	CAM L/D	
		076	556-252B	SWITCH	MODE S/W(D-27),HMW0840-01,HOSI	
		077	435-432A	GEAR	PULLEY	
		080	442-656A	SPRING	H1	
		081	435-443A	GEAR	H1	
		082	333-339A	LEVER	H1	
		083	435-444A	GEAR	H-2	
		084	414-201A	MOTOR	GVC-027A CAPSTAN D-27 ALPS	
		085	321-696A	BRACKET	CAPSATN,D27	
		086	452-062A	BELT	CAPSTAN	
		094	338-110A	BRAKE	ASSY CAP	
		095	333-338A	LEVER	TAB	NSP
		096	442-652A	SPRING	TAB	
		100	257-072A	PLATE	TOP	
		101	386-407A	ARM	ASSY F/L	
		102	340-011A	HOLDER	SUB ASSY CST	NSP
		103	321-671A	BRACKET	HOLDER(R)	NSP
		104	333-341A	LEVER	STOPPER(R)	NSP
		105	465-039A	OPENER	LID	NSP
		106	386-410A	ARM	RELEASE	NSP
		110	442-660A	SPRING	RELEASE	
		111	442-659A	SPRING	STOPPER	
		112	477-058A	RUBBER	GRIP	NSP
		113	321-673A	BRACKET	SUB ASSY (R)	NSP
		114	435-445A	GEAR	CAM F/L	NSP
		115	435-446A	GEAR	CONNECT	NSP
		116	435-447A	GEAR	WORM	NSP
		120	333-342A	LEVER	SWITCH	NSP
		121	442-661A	SPRING	SWITCH	NSP
		122	257-074A	PLATE	COVER	NSP



RUN DATE : 95.07.13  
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
	OR	123	384-143A	GUIDE	CST	
		123	384-151A	GUIDE	CST27	
		126	465-040A	OPENER	DOOR	NSP
		130	257-075A	PLATE	GROUND	NSP
		131	340-062A	HOLDER	ASSY PRISM	
<b>SCREW</b>						
		401	1MPK0261418	PAN HEAD MACHINE SCREW +,-	D 2.6 L 4.0 MSWR3/FZY	
		405	1MDC0262818	PAN HEAD MACHINE SCREW P/WASH+	D2.6 L12 MSWR3/FZY	
		406	1MEC0302018	PAN HEAD MACHINE SCREW S/W +	D 3.0 L 6.0 MSWR3/FZY	
		408	1MBC0302418	BINDING HEAD MACHINE SCREW +	D 3.0 L 8.0 MSWR3/FZY	
		411	353-046B	SCREW	SPECIAL (3X8 FZMY)	NSP
		421	1MPC0302618	PAN HEAD MACHINE SCREW +!	D3.0 L10.0,MSWR3/FZY	
		426	1MPC0302018	PAN HEAD MACHINE SCREW +!	D 3.0 L 6.0 MSWR3/FZY	
		427	353-054B	SCREW	MINIATURE	
		428	353-221A	SCREW	M3-L15	
<b>NUT, WASHER</b>						
		500	354-080F	WASHER	STOPPER	
		504	354-001B	WASHER	P.S D3.1XD6X0.5T	
		511	354-080C	WASHER	STOPPER	
		518	354-128A	WASHER	STOPPER	
		519	354-128B	WASHER	STOPPER	

• Cabinet & Main Frame Section

RUN DATE : 95.07.13  
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
<b>ASSEMBLY PARTS SECTION</b>						
		A43	258-756M	PANEL	ASSY FRONT	
		A44	3501R-0278F	BOARD ASSY	SMPS	
		A45	501-521G	MODULE		
		A46	3501R-0263C	BOARD ASSY	MAIN	
<b>PARTS SECTION</b>						
		250	217-570C	CASE	TOP	
		260	315-347B	FRAME	MAIN(60HR)	NSP
		266	321-738A	BRACKET	ASSY HOUSING	
		267	255-429A	PLATE	GND(M/F)	
		268	255-359A	PLATE	SIDE GND	
		269	255-362A	PLATE	PRE-AMP GND	
		270	321-743A	BRACKET	PROTECT	
		275	324-802A	HOLDER	DIGITRON	
		280	258-757L	PANEL	FRONT	
		283	226-110L	DOOR	CST (T213HP 3GG1)	
		284	442-681A	SPRING	DOOR	
		300	681-051A	CORD	KKP-419J B-172 KLCE-2F PAL	
	OR	300	681-951A	CORD	H03VVH2-F 2X0.75MM LP21R/PE221	
		320	258-728D	PANEL	ASSY DISTRIBUTOR	

RUN DATE : 95.07.13  
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		330	220-050A	COVER	BOTTOM	
<b>SCREW</b>						
		452	353-051A	SCREW	SPECIAL(3X10 FZMY)	
		459	353-046A	SCREW	SPECIAL (3X6 FZMY)	
		462	353-136A	SCREW	SPECIAL(4.6X12.5 FBK)	
		463	1MBC0302418	BINDING HEAD MACHINE SCREW +	D 3.0 L 8.0 MSWR3/FZY	
		469	353-046K	SCREW	SPECIAL (3X10 B.K)	

### • Packing Accessory Section

RUN DATE : 95.07.13  
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		801	480-658A	INSTRUCTION ASSY		
		802	290-368A	BOX CARTON		
		803	283-292A	PACKING		
		804	291-002B	SHEET CUSHION		
		808	534-008C	BATTERY	AAAM(R03) 1.5V 1PAIR(LOCAL)	NSP
		810	861-505B	CABLE SET ASSY	RF-CABLE,ASSY,PAL	

### • Remote Control Section

RUN DATE : 95.07.13  
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		900	597-123B	REMOTE CONTROL	ASSY (M2)	
		901	255-405B	PLATE	TOP R/C	
		902	217-603B	CASE	TOP(D.G)	
		903	556-268B	SWITCH	CONDUCTIVE RUBBER	
		904	6871R-0405A	PWB ASSY!	M2 R/C NORMAL(P20P)	
		905	220-130A	COVER	BOTTOM R/C	
		906	236-580A	WINDOW	FILTER	
		907	220-131A	COVER	BATTERY	
		908	442-726A	SPRING	BATTERY	

# Electrical Section

RUN DATE : 95.07.13

**CAUTION:** The \* marks in the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. Before replacing any of these components, read carefully the SAFETY PRECAUTIONS and SERVICING PRECAUTIONS in the manual. Do not degrade the safety of the unit through improper servicing.

## Tolerance

Symbol	C	J	K	M	N	Z	P	A
%	±2	±5	±10	±20	±30	+80 -20	+100 -10	+100 -10

CC, CJ, CK: Capacitor, Ceramic  
CE: Capacitor, Electrolytic  
CQ: Capacitor, Polyester

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
<b>CAPACITOR</b>				
		C303	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C305	0CH4121K416	120P 50V J NPO 2.0X1.2 R/TP
		C306	0CH1473K946	0.047U 50V Z F 2.0X1.2 R/TP
		C307	0CH1473K946	0.047U 50V Z F 2.0X1.2 R/TP
		C308	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C309	0CH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C310	0CH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C311	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C312	0CH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C313	0CE1074F638	100U SRA 16V M FM5 TP(5)
		C314	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C315	0CH1473K946	0.047U 50V Z F 2.0X1.2 R/TP
		C317	0CH4220K416	22P 50V J NPO 2.0X1.25 R/TP
		C318	0CH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C319	0CH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C320	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C321	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C322	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C323	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C324	0CH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C326	0CE1074F638	100U SRA 16V M FM5 TP(5)
		C327	0CH1104K946	0.1U 50V Z F 2.0X1.2 R/TP
		C328	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C329	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C330	0CH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C331	0CE1054K638	1.0U SRA 50V M FM5 BP TP(D)
		C332	0CH4331K416	330P 50V J NPO 2.0X1.2 R/TP
		C333	0CH4050K016	5P 50V C COG 2.0X1.2 R/TP
		C335	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C336	0CH4050K016	5P 50V C COG 2.0X1.2 R/TP
		C337	0CH4680K416	68P 50V J COG 2.0X1.2 R/TP
		C338	0CH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C340	0CH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C341	0CE1074F638	100U SRA 16V M FM5 TP(5)
		C342	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C343	0CH4680K416	68P 50V J COG 2.0X1.2 R/TP
		C355	0CH4470K416	47P 50V J NPO 2.0X1.25 R/TP
		C380	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C363	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C365	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C366	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C367	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C368	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C374	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C378	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C379	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C380	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C381	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C382	0CH4470K416	47P 50V J NPO 2.0X1.25 R/TP
		C383	0CH4270K416	27P 50V J COG 2.0X1.2 R/TP
		C385	0CH4560K416	56P 50V J NPO 2.0X1.25 R/TP
		C386	0CH4680K416	68P 50V J COG 2.0X1.2 R/TP
		C387	0CH4270K416	27P 50V J COG 2.0X1.2 R/TP
		C388	0CH4330K416	33P 50V J C 2.0X1.2 R/TP
		C389	0CH4121K416	120P 50V J NPO 2.0X1.2 R/TP
		C391	0CH4220K416	22P 50V J NPO 2.0X1.25 R/TP
		C392	0CH4470K416	47P 50V J NPO 2.0X1.25 R/TP
		C393	0CH4271K416	270P 50V J COG 2.0X1.2 R/TP
		C394	0CH4390K416	39P 50V J COG 2.0X1.2 R/TP
		C395	0CH4221K416	220P 50V J 2.0X1.25 R/TP
		C396	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C398	0CH4181K416	180P 50V J NPO 2.0*1.25 R/TP
		C399	0CH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C3A3	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C3A4	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C3A5	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C3A8	0CH4331K416	330P 50V J NPO 2.0X1.2 R/TP
		C3A9	0CH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C3B2	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C3D2	0CH4241K416	240PF 50V J NPO 2012 R/TP
		C3D3	0CH4471K416	470P 50V J 2.0*1.25 R/TP
		C3D5	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C3D6	0CE1063F638	10UF SRE 16V M FM5 BP(D) TP
		C3D8	0CH4151K416	150P 50V J NPO 2.0X1.2 R/TP
		C3D9	0CH1102K516	1000P 50V KB 2.0X1.25 R/TP
		C3P1	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C401	0CQ8221N409	0.0082U 100V J POLY TP
		C402	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C403	0CE1046K638	0.1M SMS 50V M FM5 TP(5)
		C404	0CE1066F638	10UF SMS 16V M FM5 TP5
		C405	0CE1046K638	0.1M SMS 50V M FM5 TP(5)
		C406	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C407	0CQ1032K409	0.01UF S 50V J PE TP
		C408	0CQ1032K409	0.01UF S 50V J PE TP
		C409	0CQ6832K409	0.0680UF S 50V J PE TP
		C410	0CN2210K518	220P 50V KB TA26
		C411	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C412	0CN1030F678	0.01M 16V M Y TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C413	0CQ1831N409	0.018U 100V J POLY TP
		C414	0CE2266F638	22M SMS 16V M FM5 TP5
		C415	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C416	0CQ1521N409	0.0015U 100V J POLY TP
		C417	0CQ4721N409	0.0047U 100V J POLY TP
		C418	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C419	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C421	0CE1046K638	0.1M SMS 50V M FM5 TP(5)
		C422	0CN1020K518	1000P 50V KB TA26
		C500	0CE2274C638	220M SRA 6.3V M FM5 TP(5)
		C502	0CE4763F638	47M SRE 16V M FM5 TP(5)
		C503	0CE2274C638	220M SRA 6.3V M FM5 TP(5)
		C504	0CN1030F678	0.01M 16V M Y TA26
		C505	0CE4766F638	47M SMS 16V M FM5 TP5
		C506	0CC3310K415	330PF 50V J NP0 TR
		C507	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C508	0CN1040K948	0.1M 50V Z F TA26
		C510	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
		C511	0CC0800K015	8P 50V C NP0 TS
		C512	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C513	0CN1040K948	0.1M 50V Z F TA26
		C514	0CC1500K415	15P 50V J NP0 TS
		C515	0CC1500K415	15P 50V J NP0 TS
		C516	0CC1200K415	12P 50V J NP0 TS
		C517	0CC1000K015	10P 50V C NP0 TS
		C518	0CC3300K415	33P 50V J NP0 TP
		C519	0CC3300K415	33P 50V J NP0 TP
		C520	0CN2230H948	0.022M 25V Z F TA26
		C521	0CX3900K408	39P 50V J SL TA26
		C522	0CE4766F638	47M SMS 16V M FM5 TP5
		C523	0CE2264F638	22M SRA 16V M FM5 TP(5)
		C524	0CN1040K948	0.1M 50V Z F TA26
		C526	0CN2710K518	270P 50V KB TA26
		C528	0CN1030F678	0.01M 16V M Y TA26
		C529	0CE1054K636	1.0U SRA 50V M FM5 BP TP(D)
		C530	0CE4766F638	47M SMS 16V M FM5 TP5
		C531	0CC0800K015	8P 50V C NP0 TS
		C532	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C533	0CN1030F678	0.01M 16V M Y TA26
		C534	0CN1510K518	150P 50V KB TA26
		C535	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
		C536	0CN1040K948	0.1M 50V Z F TA26
		C537	0CN1040K948	0.1M 50V Z F TA26
		C538	0CN1030F678	0.01M 16V M Y TA26
		C539	0CN1030F678	0.01M 16V M Y TA26
		C540	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C541	0CN1030F678	0.01M 16V M Y TA26
		C542	0CN1040K948	0.1M 50V Z F TA26
		C544	0CN4730K948	0.047M 50V Z F TA26
		C545	0CN1040K948	0.1M 50V Z F TA26
		C546	0CN2230H948	0.022M 25V Z F TA26
		C547	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C549	0CE2254K638	2.2M SRA 50V M FM5 TP(5)
		C550	0CN1030F678	0.01M 16V M Y TA26
		C551	0CQ3331N409	0.033U 100V J POLY TP
		C552	0CN1030F678	0.01M 16V M Y TA26
		C553	0CN1040K948	0.1M 50V Z F TA26
		C554	0CN1030F678	0.01M 16V M Y TA26
		C555	0CE2274C638	220M SRA 6.3V M FM5 TP(5)
		C556	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
		C557	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C558	0CE1074F638	100U SRA 16V M FM5 TP(5)

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C559	0CE4766F638	47M SMS 16V M FM5 TP5
		C560	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C561	0CE4776F638	470UF SMS 16V M FM5 TP5
		C562	0CN1040K948	0.1M 50V Z F TA26
		C564	0CN2230H948	0.022M 25V Z F TA26
		C566	0CN1040K948	0.1M 50V Z F TA26
		C567	0CN1040K948	0.1M 50V Z F TA26
		C568	0CN1040K948	0.1M 50V Z F TA26
		C569	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C570	0CE1074F638	100U SRA 16V M FM5 TP(5)
		C571	0CN1040K948	0.1M 50V Z F TA26
		C572	0CE1074F638	100U SRA 16V M FM5 TP(5)
		C573	0CN1040K948	0.1M 50V Z F TA26
		C574	0CE2253K636	2.2000UF SRE 50V M FM5 BP(D) T
		C577	0CN1040K948	0.1M 50V Z F TA26
		C580	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C582	0CN1030F678	0.01M 16V M Y TA26
		C590	0CN1030F678	0.01M 16V M Y TA26
		C592	0CN1040K948	0.1M 50V Z F TA26
		C593	0CN2210K518	220P 50V KB TA26
		C595	0CN1040K948	0.1M 50V Z F TA26
		C596	0CN1040K948	0.1M 50V Z F TA26
		C5X3	0CN2230H948	0.022M 25V Z F TA26
		C801	0CN1040K948	0.1M 50V Z F TA26
		C802	0CN1040K948	0.1M 50V Z F TA26
		C803	0CE1084F638	10M SRA 16V M FM5 TP(5)
		C804	0CN1040K948	0.1M 50V Z F TA26
		C805	0CK1020K945	1000P 50V Z F TS
		C806	0CN1040K948	0.1M 50V Z F TA26
		C807	0CN1010K518	100P 50V KB TA26
		C808	0CN1030F678	0.01M 16V M Y TA26
		C701	0CN1030F678	0.01M 16V M Y TA26
		C702	0CE4766F638	47M SMS 16V M FM5 TP5
		C703	0CN1030F678	0.01M 16V M Y TA26
		C704	0CE4766F638	47M SMS 16V M FM5 TP5
		C705	0CQ3321N409	0.0033U 100V J POLY TP
		C706	0CQ1041N409	0.1U 100V J POLY TP
		C707	0CQ1041N409	0.1U 100V J POLY TP
		C708	0CQ1041N409	0.1U 100V J POLY TP
		C709	0CN1040K948	0.1M 50V Z F TA26
		C710	0CE4756K638	4.7M SMS 50V M FM5 TP(5)
		C711	0CE4766F638	47M SMS 16V M FM5 TP5
		C712	0CN1030F678	0.01M 16V M Y TA26
		C714	0CN1030F678	0.01M 16V M Y TA26
		C715	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C716	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C717	0CE1066F638	10UF SMS 16V M FM5 TP5
		C721	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C722	0CE1054K636	1.0U SRA 50V M FM5 BP TP(D)
		C723	0CN1030F678	0.01M 16V M Y TA26
		C741	0CN2210K518	220P 50V KB TA26
		C742	0CN2230H948	0.022M 25V Z F TA26
		C750	0CN1030F678	0.01M 16V M Y TA26
		C751	0CN1030F678	0.01M 16V M Y TA26
		C752	0CN1030F678	0.01M 16V M Y TA26
		C753	0CE4766F638	47M SMS 16V M FM5 TP5
		C754	0CN1030F678	0.01M 16V M Y TA26
		C755	0CE4766F638	47M SMS 16V M FM5 TP5
		C756	0CN1030F678	0.01M 16V M Y TA26
		C757	0CN4710K518	470P 50V KB TA26
		C758	0CN2230H948	0.022M 25V Z F TA26
		C759	0CQ1041N409	0.1U 100V J POLY TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C760	OCX2700K408	27P 50V J SL TA26
		C761	OCQ1031N409	0.01UF 100V J PE TP
		C762	OCE2256K638	2.2M SMS 50V M FM5 TP(5)
		C763	OCX4700K408	47P 50V J SL TA26
		C764	OCX4700K408	47P 50V J SL TA26
		C765	OC00800K115	8P 50V D NP0 TS
		C766	OCE2256K638	2.2M SMS 50V M FM5 TP(5)
		C767	OCE1056K638	1.0M SMS 50V M FM5 TP(5)
		C768	OCQ1041N409	0.1U 100V J POLY TP
		C769	OCE4766F638	47M SMS 16V M FM5 TP5
		C770	OCN1030F678	0.01M 16V M Y TA26
		C772	OCX2200K408	22P 50V J SL TP26
		C775	OCN1210K518	120P 50V K B TA26
		C801	OCE2256K638	2.2M SMS 50V M FM5 TP(5)
		C802	OCQ6831N409	0.068U 100V J POLY TP
		C803	OC01010K405	100P 50V J SL TS
		C804	OCE1056K638	1.0M SMS 50V M FM5 TP(5)
		C805	OCQ3321N409	0.0033U 100V J POLY TP
		C807	OCE4766F638	47M SMS 16V M FM5 TP5
		C808	OCN2230H948	0.022M 25V Z F TA26
		C809	OCQ3321N409	0.0033U 100V J POLY TP
		C810	OCE1056K638	1.0M SMS 50V M FM5 TP(5)
		C812	OCN6810K518	680P 50V K B TA26
		C901	OCQ4731N409	0.047U 100V J POLY TP
		C902	OCQ4731N409	0.047U 100V J POLY TP
		C903	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C905	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C906	OCN1030F678	0.01M 16V M Y TA26
		C910	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C911	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C913	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C914	OCN1030F678	0.01M 16V M Y TA26
		C924	OCX3900K408	39P 50V J SL TA26
		C925	OCN2210K518	220P 50V K B TA26
		C926	OCN2210K518	220P 50V K B TA26
		C930	OCE4775C638	470M SR 6.3V M FM5 TP(5)
		C932	OCN1030F678	0.01M 16V M Y TA26
		C933	OCN1030F678	0.01M 16V M Y TA26
	OR	CP01	624-086C	AC CON 332 /400V,E,AA(S/S)
		CP01	624-086C	AC-CON 332/400V,E,NU(N/K)
	OR	CP03	624-088B	ECQU2A104MVA AC250/0.1UF MATSU
		CP05	624-086C	AC CON 332 /400V,E,AA(S/S)
		CP05	624-086C	AC-CON 332/400V,E,NU(N/K)
		CP06	624-082F	CE 68UF/400V SHLVN
		CP07	OCQ1041N409	0.1U 100V J POLY TP
		CP09	OCQ5621N409	0.0056U 100V J POLY TP
		CP10	OCQ1021N409	0.001U 100V J POLY TP
		CP11	OCE336BH638	33UF KME 25V M FM5 TP5
		CP12	OCQ4731N409	0.047U 100V J POLY TP
		CP14	624-087B	HIGH-VOL 100P/1KV SMPS SAMHWA
		CP15	OCQ1031Y501	0.01U 630V K POLY F5
	OR	CP16	OCE4748K638	0.47M SMS 50V M TP(5)
		CP17	624-084C	HER-0611-47-50-M SMPS RI-C
		CP17	624-085D	CE 47UF/50V KME (SMPS)
		CP18	OCE477BH638	470UF SMS 25V M FM5 TP5
		CP19	624-083E	1000/10V KME (SMPS) CE
	OR	CP19	624-084N	HER-1016-1000-10-M SMPS RI-C
		CP20	OCE3376D638	330UF SMS 10V M FM5 TP5
	OR	CP21	624-084C	HER-0611-47-50-M SMPS RI-C
		CP21	624-085D	CE 47UF/50V KME (SMPS)
		CP22	OCE477BH638	470UF KME 25V M FM5 TP5
	OR	CP24	624-066E	AC CON 472/400V,E,AA(S/S)

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		CP24	624-086E	AC-CON 472/400V,E,NU(N/K)
	OR	CP25	OCE1076D638	100M SMS 10V M FM5 TP(5)
		CP26	624-066E	AC CON 472/400V,E,AA(S/S)
		CP26	624-086E	AC-CON 472/400V,E,NU(N/K)
		CP28	624-086B	AC-CON 103/400V,Z,NU(N/K)
DIODE				
	OR	BDP01	ODD060000BA	DF06M,600V,1A G.I
		BDP01	ODD160000DA	S1WBA60(1A 600V) SHIDENKEN
		D301	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D303	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D304	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D305	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D309	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D315	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D316	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D401	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D402	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D403	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D404	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D405	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D500	ODD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D501	ODD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D502	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D503	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D504	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D505	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D506	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D507	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D509	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D511	ODD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D512	ODD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D513	ODD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D514	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D515	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D601	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D602	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D603	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D611	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D614	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D704	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D901	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D905	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
	OR	DP01	ODD010009CA	EG01CW(R-FORM 5MM) TP SANKEN
		DP01	ODD400709BA	UF4007 G.I
		DP02	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		DP05	ODD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		DP07	ODD207000AA	2A07 2A RECTIFIERS(T/S)DELTA
		DP08	ODD310409AA	31DQ04 52MM TP TP INTA
	OR	DP08	ODD440000AA	RK-44(SCHTOKY) SANKEN
		DP10	ODD010009AC	EU01W(R-FORM) TP SANKEN
		DP12	ODD010009AC	EU01W(R-FORM) TP SANKEN
		DP13	ODD400000AH	RU4YX SANKEN
		DP17	ODD010009AC	EU01W(R-FORM) TP SANKEN
DISPLAY TUBE				
		DG601	514-032A	9BT-123GK 85X25 PAL SEJIN
FUSE				
		FP01	585-011C	T 1.6A 250V S506

S	AL	LOC.A.NO	PART NO(GS)	SPECIFICATION
<b>FILTER</b>				
		LP01	616-145A	LINE FILTER SQE TYPE 33MH(BUJ)
		Z750	616-099B	SAW OFWG1962 (SIEMENS) B/G
		Z751	616-038B	CERAMIC,SFSH5.5MCB MURATA
		Z752	616-036B	TRAP TPS5.5MB MURA
		Z755	616-714A	MKT40MA100P MURATA
<b>IC</b>				
		IC301	0ISA743700A	LA7437 (Y/C 1CHIP,NOT ADJ)
		IC302	0ISA741100A	LA7411 22SD 2HD AMP(VCR)
		IC304	0ISA899700A	LC89970 (1H CCD) OC3600
		IC401	0IRH779700A	BA7797 N/AUDIO
		IC501	0IH1839760D	H83976(HD6433976A09F)R-T40P/S
		IC502	0IGS744500A	GL7445 (MOTOR DRIV-1CH) GSS
		IC503	0INA241600A	NM24C16N(EEPROM.16K) OC3600
		IC503	0IX1241600B	X24C16P EEPROM 16K DIP
		IC504	0IMT523000B	PST-523G/T(3.3V) LOW
		IC505	0IGS358000A	GL358
		IC506	0IMT523000C	PST-523D/T
		IC601	0IRH287600A	BU2876K FLD
		IC601	0IRH287900A	BU2879K FDP DRIVE
		IC701	0ISA791000A	LA7910 TV BAND SELEC
		IC750	0IPH980000A	TDA9800 VIF PLL DEM & FM DET
		IC801	0JUR222900A	NJM2229S SYNC SEPA (SIP PACK)
		IC902	0ISM564900A	SDA5649 (VPS+PDC)
		IC903	0IGS381600A	GL3816
		ICP01	0IFE531100A	FA5311P PWM IC (FUJI) DIP
		ICP03	0IKE431000A	KIA431
		ZD702	0IKE574000B	KIA574AT ZENOR IC 2K/TP
<b>COIL</b>				
		B901	0LA0560K018	0.56M K 2.3X3.4 L5 TP
		L302	0LR1000J035	100M J 6X6 L5 TP
		L303	0LA1000K018	100M K 2.3X3.4 L5 TP
		L304	0LR1000J035	100M J 6X6 L5 TP
		L309	0LR1000J035	100M J 6X6 L5 TP
		L310	0LA0561K018	5.6M K 2.3X3.4 L5 TP
		L311	0LAC392K018	39M K 2.3X3.4 L5 TP
		L312	0LA1500K018	150M K 2.3X3.4 L5 TP
		L315	0LA0332K018	33M K 2.3X3.4 L5 TP
		L350	0LA0821K018	8.2M K 2.3X3.4 L5 TP
		L353	0LA0152K018	15M K 2.3X3.4 L5 TP
		L354	0LA1000K018	100M K 2.3X3.4 L5 TP
		L355	0LA0152K018	15M K 2.3X3.4 L5 TP
		L356	0LA0152K018	15M K 2.3X3.4 L5 TP
		L357	0LRS600K035	560M K 6X6 L5 TP
		L358	0LA0222K018	22M K 2.3X3.4 L5 TP
		L359	0LA0332K018	33M K 2.3X3.4 L5 TP
		L361	0LR1000J035	100M J 6X6 L5 TP
		L371	0LA0822K018	82M K 2.3X3.4 L5 TP
		L372	0LA2700K018	270U K 2.3X3.4 L5 TP
		L401	0LR1000K035	100M K 6X6 L5 TP
		L402	0LR6801J045	6800U J 6X7 L5 TP
		L403	0LA0102K018	10M K 2.3X3.4 L5 TP
		L501	0LR1000K035	100M K 6X6 L5 TP
		L505	0LR1000K035	100M K 6X6 L5 TP
		L506	0LR0152K035	15M K 6X6 L5 TP
		L508	0LR1000K035	100M K 6X6 L5 TP
		L510	0LAC332K018	33M K 2.3X3.4 L5 TP
		L512	0LR1000K035	100M K 6X6 L5 TP

S	AL	LOC.A.NO	PART NO(GS)	SPECIFICATION
		L513	0LR1000K035	100M K 6X6 L5 TP
		L514	0LR1000K035	100M K 6X6 L5 TP
		L515	0LR1000K035	100M K 6X6 L5 TP
		L516	0LR0222K035	22M K 6X6 L5 TP
		L601	0LR1000K035	100M K 6X6 L5 TP
		L701	0LR1000K035	100M K 6X6 L5 TP
		L702	0LR1000K035	100M K 6X6 L5 TP
		L703	0LR1000K035	100M K 6X6 L5 TP
		L704	0LA0222K018	22M K 2.3X3.4 L5 TP
		L750	0LA0121K018	1.2M K 2.3X3.4 L5 TP
		L751	0LR1000K035	100M K 6X6 L5 TP
		L752	0LA0332K018	33M K 2.3X3.4 L5 TP
		L753	0LA0152K018	15M K 2.3X3.4 L5 TP
		L754	0LA0102K018	10M K 2.3X3.4 L5 TP
		L755	0LR1000K035	100M K 6X6 L5 TP
		L756	0LR1000K035	100M K 6X6 L5 TP
		L757	0LA0220K018	0.22M K 2.3X3.4 L5 TP
		L758	0LA0121K018	1.2M K 2.3X3.4 L5 TP
		L801	0LR1000K035	100M K 6X6 L5 TP
		L901	0LR1000K035	100M K 6X6 L5 TP
		L902	0LR1000K035	100M K 6X6 L5 TP
		L903	0LA1000K018	100M K 2.3X3.4 L5 TP
		L904	0LA1000K018	100M K 2.3X3.4 L5 TP
		L905	0LA1000K018	100M K 2.3X3.4 L5 TP
		L909	0LR6801J045	6800U J 6X7 L5 TP
		LP03	633-088A	SC-20M CHOKE,COIL
		LP04	633-088A	SC-20M CHOKE,COIL
		T401	633-032F	BIAS 126QN-K5171YA0-KR-K TOKO
		T750	633-085A	V-COIL 2920N-K5592Z 77.8 TOKO
<b>LED</b>				
		LED501	0DL380009AA	GL380JTP IR LED D-27 TP SHARP
<b>CONNECTOR</b>				
		PM701	561-281G	8283-0812 (STICK)
		PM702	561-281G	8283-0812 (STICK)
<b>CIRCUIT BOARD ASSEMBLY</b>				
		PBAFC	6871R-0404A	AFC BOARD
		PBJ00	6871R-0265B	IF
		PBJ00	6871R-0266D	JACK 1SCART
		PBM00	6871R-0263G	MAIN
		PBT00	6871R-0421A	TIMER
<b>TRANSISTOR</b>				
		Q303	0TR319909AF	KTC3199-BL MINI TP KEC
		Q307	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q308	0TR319909AF	KTC3199-BL MINI TP KEC
		Q309	0TR319909AF	KTC3199-BL MINI TP KEC
		Q310	0TR126709AC	KTA1267-GR MINI TP KEC
		Q311	0TR319909AF	KTC3199-BL MINI TP KEC
		Q312	0TR319909AF	KTC3199-BL MINI TP KEC
		Q315	0TR126709AC	KTA1267-GR MINI TP KEC
		Q401	0TR103009AF	KRA103M-TP (KRA2203) KEC
		Q402	0TR103009AF	KRA103M-TP (KRA2203) KEC
		Q403	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q404	0TR126609AE	KTA1266-GR,TP(KTA1015),KEC
		Q405	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
		Q406	0TR126809AE	KTA1268-GR,TP(KTA1015),KEC
		Q407	0TR103009AE	KRC103M-TP (KRC1203) KEC

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		Q408	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q501	0TR141400AA	KTD1414 POWER (220 PACK) KEC
		Q502	0TR103008AF	KRA103M-TP (KRA2203) KEC
		Q503	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q504	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q508	0TR320508AB	KTC3205-TP-Y (KTC2236A)KEC
		Q507	0TR319808AC	KTC3198-TP-BL (KTC1815)KEC
		Q508	0TR126708AC	KTA1267-GR MINI TP KEC
		Q509	0TR126708AC	KTA1267-GR MINI TP KEC
		Q510	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q511	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q513	0TR320508AB	KTC3205-TP-Y (KTC2236A)KEC
		Q514	0TR319808AC	KTC3198-TP-BL (KTC1815)KEC
		Q515	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q522	0TR127308AA	KTA1273-TP-Y (KTA986A)KEC
		Q523	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q524	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q525	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q526	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q529	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q701	0TR319808AC	KTC3198-TP-BL (KTC1815)KEC
		Q702	0TR319808AC	KTC3198-TP-BL (KTC1815)KEC
		Q703	0TR126708AC	KTA1267-GR MINI TP KEC
		Q704	0TR319808AC	KTC3198-TP-BL (KTC1815)KEC
		Q750	0TR319708AC	KTC3197 (KTC388A) TP KEC
		Q751	0TR319808AC	KTC3198-TP-BL (KTC1815)KEC
		Q801	0TR319808AC	KTC3198-TP-BL (KTC1815)KEC
		Q901	0TR126608AE	KTA1266-GR,TP(KTA1015),KEC
		Q902	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q903	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q904	0TR126608AE	KTA1266-GR,TP(KTA1015),KEC
<b>RESISTOR</b>				
		R301	ORH1201D622	1.2K 1/10W 5 D.R/TP
		R302	ORH1201D622	1.2K 1/10W 5 D.R/TP
		R303	ORH4702D622	47K 1/10W 5 D.R/TP
		R305	ORH1001D622	1.0K 1/10W 5 D.R/TP
		R306	ORH8201D622	8.2K 1/10W 5 D.R/TP
		R308	ORH2201D622	2.2K 1/10W 5 D.R/TP
		R309	ORH2701D622	2.7K 1/10W 5 D.R/TP
		R310	ORH6800D622	680 1/10W 5 D.R/TP
		R311	ORH1001D622	1.0K 1/10W 5 D.R/TP
		R315	ORH4701D622	4.7K 1/10W 5 D.R/TP
		R316	ORH1501D622	1.5K 1/10W 5 D.R/TP
		R317	ORH5802D622	58K 1/10W 5 D.R/TP
		R318	ORH2202D622	22K 1/10W 5 D.R/TP
		R320	ORH8202D622	82K 1/10W 5 D.R/TP
		R321	ORH1001D622	1.0K 1/10W 5 D.R/TP
		R331	ORH2202D622	22K 1/10W 5 D.R/TP
		R333	ORH1501D622	1.5K 1/10W 5 D.R/TP
		R334	ORH1202D622	12K 1/10W 5 D.R/TP
		R335	ORH3302D622	33K 1/10W 5 D.R/TP
		R336	ORH5600D622	560 1/10W 5 D.R/TP
		R337	ORH1801D622	1.8K 1/10W 5 D.R/TP
		R338	ORH1802D622	18K 1/10W 5 D.R/TP
		R339	ORH0000D622	0 1/10W 5 D.R/TP
		R340	ORH1001D622	1.0K 1/10W 5 D.R/TP
		R341	ORH2700D622	270 1/10W 5 D.R/TP
		R342	ORH6800D622	680 1/10W 5 D.R/TP
		R343	ORH4700D622	470 1/10W 5 D.R/TP
		R344	ORH4701D622	4.7K 1/10W 5 D.R/TP
		R345	ORH5600D622	560 1/10W 5 D.R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R347	ORH1201D622	1.2K 1/10W 5 D.R/TP
		R348	ORH3900D622	390 1/10W 5 D.R/TP
		R349	ORH5600D622	560 1/10W 5 D.R/TP
		R350	ORH1001D622	1.0K 1/10W 5 D.R/TP
		R351	ORH4700D622	470 1/10W 5 D.R/TP
		R353	ORH1001D622	1.0K 1/10W 5 D.R/TP
		R354	ORH2201D622	2.2K 1/10W 5 D.R/TP
		R356	ORH1201D622	1.2K 1/10W 5 D.R/TP
		R357	ORH3900D622	390 1/10W 5 D.R/TP
		R358	ORH1001D622	1.0K 1/10W 5 D.R/TP
		R359	ORH2201D622	2.2K 1/10W 5 D.R/TP
		R360	ORH2201D622	2.2K 1/10W 5 D.R/TP
		R361	ORH8200D622	820 1/10W 5 D.R/TP
		R362	ORH1800D622	180 1/10W 5 D.R/TP
		R370	ORH2201D622	2.2K 1/10W 5 D.R/TP
		R377	ORH1802D622	18K 1/10W 5 D.R/TP
		R378	ORH1501D622	1.5K 1/10W 5 D.R/TP
		R3A1	ORH1001D622	1.0K 1/10W 5 D.R/TP
		R3A2	ORH0000D622	0 1/10W 5 D.R/TP
		R3A3	ORH0000D622	0 1/10W 5 D.R/TP
		R3A4	ORH0000D622	0 1/10W 5 D.R/TP
		R3A6	ORH0000D622	0 1/10W 5 D.R/TP
		R3A9	ORH5600D622	560 1/10W 5 D.R/TP
		R3B3	ORH0000D622	0 1/10W 5 D.R/TP
		R3P1	ORH0000D622	0 1/10W 5 D.R/TP
		R401	ORD1002F608	10K 1/6W 5 TA26
		R402	ORD3303F608	330K 1/6W 5 TA26
		R403	ORD1502F608	15K 1/6W 5 TA26
		R404	ORD1500F608	150 1/6W 5 TA26
		R405	ORD1004F608	1.0M 1/6W 5 TA26
		R406	ORD1002F608	10K 1/6W 5 TA26
		R407	ORD4701F608	4.7K 1/6W 5 TA26
		R408	ORD0681F608	6.8 1/6W 5 TA26
		R409	ORD0472F608	47 1/6W 5 TA26
		R410	ORD4702F608	47K 1/6W 5 TA26
		R411	ORD1501F608	1.5K 1/6W 5 TA26
		R412	ORD1201F608	1.2K 1/6W 5 TA26
		R413	ORD1802F608	18K 1/6W 5 TA26
		R414	ORD2702F608	27K 1/6W 5 TA26
		R415	ORD3302F608	33K 1/6W 5 TA26
		R416	ORD0102F608	10 1/6W 5 TA26
		R417	ORD8201F608	8.2K 1/6W 5 TA26
		R418	ORD1502F608	15K 1/6W 5 TA26
		R419	ORD1200F608	120 1/6W 5 TA26
		R420	ORD3302F608	33K 1/6W 5 TA26
		R421	ORD1002F608	10K 1/6W 5 TA26
		R423	ORD3302F608	33K 1/6W 5 TA26
		R424	ORD1002F608	10K 1/6W 5 TA26
		R425	ORD3301F608	3.3K 1/6W 5 TA26
		R426	ORD4701F608	4.7K 1/6W 5 TA26
		R427	ORD4701F608	4.7K 1/6W 5 TA26
		R428	ORD1002F608	10K 1/6W 5 TA26
		R429	ORD3301F608	3.3K 1/6W 5 TA26
		R430	ORD3902F608	39K 1/6W 5 TA26
		R431	ORD1802F608	18K 1/6W 5 TA26
		R432	ORD1502F608	15K 1/6W 5 TA26
		R433	ORD1002F608	10K 1/6W 5 TA26
		R434	ORD1202F608	12K 1/6W 5 TA26
		R500	ORD4701F608	4.7K 1/6W 5 TA26
		R501	ORD4701F608	4.7K 1/6W 5 TA26
		R502	ORD6801F608	6.8K 1/6W 5 TA26
		R503	ORD1002F608	10K 1/6W 5 TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R504	ORD0681F608	6.8 1/6W 5 TA26
		R505	ORD1001F608	1.0K 1/6W 5 TA26
		R506	ORD4701F608	4.7K 1/6W 5 TA26
		R507	ORD4701F608	4.7K 1/6W 5 TA26
		R508	ORD4701F608	4.7K 1/6W 5 TA26
		R509	ORD4701F608	4.7K 1/6W 5 TA26
		R510	ORD4701F608	4.7K 1/6W 5 TA26
		R511	ORD4701F608	4.7K 1/6W 5 TA26
		R512	ORD4701F608	4.7K 1/6W 5 TA26
		R513	ORD1002F608	10K 1/6W 5 TA26
		R514	ORD0681F608	6.8 1/6W 5 TA26
		R515	ORD1004F608	1.0M 1/6W 5 TA26
		R516	ORD1202F608	12K 1/6W 5 TA26
		R518	ORD5601F608	5.6K 1/6W 5 TA26
		R519	ORD1004F608	1.0M 1/6W 5 TA26
		R521	ORD1502F608	15K 1/6W 5 TA26
		R525	ORD1002F608	10K 1/6W 5 TA26
		R526	ORD1002F608	10K 1/6W 5 TA26
		R527	ORD4701F608	4.7K 1/6W 5 TA26
		R528	ORD1002F608	10K 1/6W 5 TA26
		R529	ORD4701F608	4.7K 1/6W 5 TA26
		R531	ORD5601F608	5.6K 1/6W 5 TA26
		R532	ORD2202F608	22K 1/6W 5 TA26
		R533	ORD2202F608	22K 1/6W 5 TA26
		R534	ORD4703F608	470K 1/6W 5 TA26
		R535	ORD5601F608	5.6K 1/6W 5 TA26
		R536	ORD2200F608	220 1/6W 5 TA26
		R537	ORD4701F608	4.7K 1/6W 5 TA26
		R538	ORD1002F608	10K 1/6W 5 TA26
		R539	ORD5602F608	56K 1/6W 5 TA26
		R540	ORD1001F608	1.0K 1/6W 5 TA26
		R541	ORD1004F608	1.0M 1/6W 5 TA26
		R542	ORD2200F608	220 1/6W 5 TA26
		R543	ORD3302F608	33K 1/6W 5 TA26
		R544	ORD3302F608	33K 1/6W 5 TA26
		R545	ORD1001F608	1.0K 1/6W 5 TA26
		R546	ORD1001F608	1.0K 1/6W 5 TA26
		R547	ORD5601F608	5.6K 1/6W 5 TA26
		R548	ORD1003F608	100K 1/6W 5 TA26
		R549	ORD1002F608	10K 1/6W 5 TA26
		R551	ORD2200F608	220 1/6W 5 TA26
		R552	ORD2200F608	220 1/6W 5 TA26
		R554	ORD1501F608	1.5K 1/6W 5 TA26
		R555	ORD2200F608	220 1/6W 5 TA26
		R556	ORD2702F608	27K 1/6W 5 TA26
		R557	ORD3302F608	33K 1/6W 5 TA26
		R558	ORD3302F608	33K 1/6W 5 TA26
		R559	ORD1002F608	10K 1/6W 5 TA26
		R560	ORD1002F608	10K 1/6W 5 TA26
		R561	ORD5600F608	560 1/6W 5 TA26
		R562	ORD5600F608	560 1/6W 5 TA26
		R563	ORD1002F608	10K 1/6W 5 TA26
		R564	ORD2702F608	27K 1/6W 5 TA26
		R565	ORD1001F608	1.0K 1/6W 5 TA26
		R567	ORD2201F608	2.2K 1/6W 5 TA26
		R568	ORD2703F608	270K 1/6W 5 TA26
		R569	ORD1203F608	120K 1/6W 5 TA26
		R570	ORD1001F608	1.0K 1/6W 5 TA26
		R572	ORD2201F608	2.2K 1/6W 5 TA26
		R574	ORD1802F608	18K 1/6W 5 TA26
		R575	ORD6801F608	6.8K 1/6W 5 TA26
		R576	ORD2702F608	27K 1/6W 5 TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R580	ORD4701F608	4.7K 1/6W 5 TA26
		R581	ORD0101F608	1.0 1/6W 5 TA26
		R582	ORD1001F608	1.0K 1/6W 5 TA26
		R583	ORD1001F608	1.0K 1/6W 5 TA26
		R584	ORD1001F608	1.0K 1/6W 5 TA26
		R585	ORD1001F608	1.0K 1/6W 5 TA26
		R586	ORD1000F608	100 1/6W 5 TA26
		R587	ORD1000F608	100 1/6W 5 TA26
		R588	ORD1001F608	1.0K 1/6W 5 TA26
		R589	ORD1000F608	100 1/6W 5 TA26
		R590	ORD6801F608	6.8K 1/6W 5 TA26
		R591	ORD0101F608	1.0 1/6W 5 TA26
		R592	ORD4701F608	4.7K 1/6W 5 TA26
		R593	ORD4701F608	4.7K 1/6W 5 TA26
		R594	ORD4701F608	4.7K 1/6W 5 TA26
		R595	ORD1001F608	1.0K 1/6W 5 TA26
		R596	ORD1001F608	1.0K 1/6W 5 TA26
		R597	ORD1001F608	1.0K 1/6W 5 TA26
		R598	ORD1801F608	1.8K 1/6W 5 TA26
		R599	ORD4701F608	4.7K 1/6W 5 TA26
		R5A2	ORD1000F608	100 1/6W 5 TA26
		R5A3	ORD4701F608	4.7K 1/6W 5 TA26
		R5A4	ORD4701F608	4.7K 1/6W 5 TA26
		R5A5	ORD5601F608	5.6K 1/6W 5 TA26
		R5A6	ORD5601F608	5.6K 1/6W 5 TA26
		R5A7	ORD1001F608	1.0K 1/6W 5 TA26
		R5A9	ORD4701F608	4.7K 1/6W 5 TA26
		R5B1	ORD1000F608	100 1/6W 5 TA26
		R5B2	ORD0102F608	10 1/6W 5 TA26
		R5B3	ORD1001F608	1.0K 1/6W 5 TA26
		R5B4	ORD1803F608	180K 1/6W 5 TA26
		R5X3	ORD2200F608	220 1/6W 5 TA26
		R5X4	ORD2200F608	220 1/6W 5 TA26
		R5X5	ORD2200F608	220 1/6W 5 TA26
		R5X7	ORD2202F608	22K 1/6W 5 TA26
		R5X8	ORD1002F608	10K 1/6W 5 TA26
		R601	ORD1201F608	1.2K 1/6W 5 TA26
		R602	ORD2201F608	2.2K 1/6W 5 TA26
		R603	ORD8200F608	820 1/6W 5 TA26
		R604	ORD1201F608	1.2K 1/6W 5 TA26
		R605	ORD2201F608	2.2K 1/6W 5 TA26
		R606	ORD3901F608	3.9K 1/6W 5 TA26
		R608	ORD0471F608	4.7 1/6W 5 TA26
		R609	ORD0471F608	4.7 1/6W 5 TA26
		R610	ORD3302F608	33K 1/6W 5 TA26
		R611	ORD5602F608	56K 1/6W 5 TA26
		R612	ORD5602F608	56K 1/6W 5 TA26
		R613	ORD5602F608	56K 1/6W 5 TA26
		R614	ORD5602F608	56K 1/6W 5 TA26
		R616	ORD4701F608	4.7K 1/6W 5 TA26
		R617	ORD8200F608	820 1/6W 5 TA26
		R701	ORD0822F608	82 1/6W 5 TA26
		R704	ORD1002F608	10K 1/6W 5 TA26
		R705	ORD1002F608	10K 1/6W 5 TA26
		R706	ORD1202F608	12K 1/6W 5 TA26
		R707	ORD1202F608	12K 1/6W 5 TA26
		R708	ORD1202F608	12K 1/6W 5 TA26
		R709	ORD1002F608	10K 1/6W 5 TA26
		R710	ORD5601F608	5.6K 1/6W 5 TA26
		R711	ORD5601F608	5.6K 1/6W 5 TA26
		R712	ORD3301F608	3.3K 1/6W 5 TA26
		R716	ORD2202F608	22K 1/6W 5 TA26



S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R717	ORD2203F608	220K 1/6W 5 TA26
		R720	ORD4700F608	470 1/6W 5 TA26
		R721	ORD2202F608	22K 1/6W 5 TA26
		R722	ORD2202F608	22K 1/6W 5 TA26
		R726	ORD5601F608	5.6K 1/6W 5 TA26
		R751	ORD4701F608	4.7K 1/6W 5 TA26
		R752	ORD1201F608	1.2K 1/6W 5 TA26
		R753	ORD5600F608	560 1/6W 5 TA26
		R754	ORD0472F608	47 1/6W 5 TA26
		R755	ORD1200F608	120 1/6W 5 TA26
		R757	ORD2701F608	2.7K 1/6W 5 TA26
		R758	ORD2701F608	2.7K 1/6W 5 TA26
		R759	ORD2200F608	220 1/6W 5 TA26
		R760	ORD2700F608	270 1/6W 5 TA26
		R761	ORD5601F608	5.6K 1/6W 5 TA26
		R763	ORD1001F608	1.0K 1/6W 5 TA26
		R764	ORD8201F608	8.2K 1/6W 5 TA26
		R765	ORD1802F608	18K 1/6W 5 TA26
		R766	ORD2200F608	220 1/6W 5 TA26
		R767	ORD2700F608	270 1/6W 5 TA26
		R768	ORD2202F608	22K 1/6W 5 TA26
		R769	ORD2202F608	22K 1/6W 5 TA26
		R770	ORD1201F608	1.2K 1/6W 5 TA26
		R801	ORD3900F608	390 1/6W 5 TA26
		R802	ORD1001F608	1.0K 1/6W 5 TA26
		R803	ORD4700F608	470 1/6W 5 TA26
		R805	ORD1002F608	10K 1/6W 5 TA26
		R807	ORD5601F608	5.6K 1/6W 5 TA26
		R901	ORD5603F608	560K 1/6W 5 TA26
		R902	ORD6801F608	6.8K 1/6W 5 TA26
		R903	ORD5603F608	560K 1/6W 5 TA26
		R904	ORD6801F608	6.8K 1/6W 5 TA26
		R905	ORD8202F608	82K 1/6W 5 TA26
		R906	ORD1004F608	1.0M 1/6W 5 TA26
		R907	ORD1001F608	1.0K 1/6W 5 TA26
		R909	ORD1002F608	10K 1/6W 5 TA26
		R910	ORD2201F608	2.2K 1/6W 5 TA26
		R911	ORD1001F608	1.0K 1/6W 5 TA26
		R914	ORD0752F608	75 1/6W 5 TA26
		R918	ORD0682F608	68 1/6W 5 TA26
		R922	ORD5601F608	5.6K 1/6W 5 TA26
		R923	ORD5601F608	5.6K 1/6W 5 TA26
		R928	ORD1002F608	10K 1/6W 5 TA26
		R932	ORD8201F608	8.2K 1/6W 5 TA26
		R935	ORD1001F608	1.0K 1/6W 5 TA26
		R936	ORD1001F608	1.0K 1/6W 5 TA26
		R940	ORD1000F608	100 1/6W 5 TA26
		R941	ORD3900F608	390 1/6W 5 TA26
		RP01	614-007A	2.7/2W CEMENT SMPS V
		RP02	ORD4702F608	47K 1/6W 5 TA26
		RP03	ORD4702F608	47K 1/6W 5 TA26
		RP04	614-006B	MATAL OXIDE SMALL 0.47/2W,5%
		RP05	ORD1202F608	12K 1/6W 5 TA26
		RP07	ORD1800F608	180 1/6W 5 TA26
		RP08	ORD0752F608	75 1/6W 5 TA26
		RP09	ORD0222F608	22 1/6W 5 TA26
		RP10	ORD5101F608	5.1K 1/6W 5 TA26
		RP13	ORD1800F608	180 1/6W 5 TA26
		RP14	614-006C	MATAL OXIDE SMALL 56K/2W,5%
		RP15	ORD2201F608	2.2K 1/6W 5 TA26
		RP16	ORN3301F408	3.3K 1/6W 1 TA26
		RP17	ORD3300F608	330 1/6W 5 TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		RP18	ORD1001F608	1.0K 1/6W 5 TA26
		RP19	ORN4701F408	4.7K 1/6W 1 TA26
		RP20	ORD0222F608	22 1/6W 5 TA26
		RP21	ORD1003F608	100K 1/6W 5 TA26
<b>REMOCON RECEIVER</b>				
		RC601	668-227R	RECE 20.0 3276A 2800 KOTECO
<b>SENSOR</b>				
	OR	ICP02	657-061B	PHOTO COUPLER PS2561-1-V NEC
		ICP02	657-062B	PC123Y PHOTO-COUPLER(SHARP)
		S503	657-040B	REEL RPI-352Q01 D-27 ROHM-J
		S504	657-040B	REEL RPI-352Q01 D-27 ROHM-J
<b>SCART</b>				
		JK901	573-019A	RGB SOCKET (BRS-03S) ANGLE
<b>SWITCH</b>				
		SW501	558-244A	REC S/W,MPU10105MMBO,MIC
		SW502	558-243D	F/L S/W,MPU10400(MIC),D-27
		SW601	558-218A	SKHV10810A (GS ALPS)
		SW602	558-218A	SKHV10910A (GS ALPS)
		SW603	558-218A	SKHV10910A (GS ALPS)
		SW604	558-218A	SKHV10910A (GS ALPS)
		SW605	558-218A	SKHV10910A (GS ALPS)
		SW606	558-218A	SKHV10910A (GS ALPS)
		SW607	558-218A	SKHV10910A (GS ALPS)
		SW608	558-218A	SKHV10910A (GS ALPS)
		SW609	558-218A	SKHV10910A (GS ALPS)
<b>TUNER</b>				
		TU701	521-415A	MTSH7HD23 B/G VS HYPER SHARP
<b>VARIABLE RESISTOR</b>				
		VR401	613-032W	RH0638CJ5R (220K)
		VR501	613-032N	RH0638C14R14A (10K)
		VR502	613-004J	VR RH0681CJ3J(2.2K),J/ALPS
		VR701	613-032Q	RH0638CJ4R0WA (22K)
<b>CRYSTAL</b>				
		X301	529-020P	4.433619MHZ 15PPM GRAY L=4.0
		X501	529-020I	10.000000MHZ 30PPM NO-TU L=4.0
		X502	529-001K	32.768KHZ 3*8 SEIKO (20PPM)
		X503	529-022V	17.734476MHZ CL-12P 25PPM LEAD
		X801	529-019A	CSB500F-9 MURATA
<b>ZENER DIODE</b>				
		DP03	0DZ220009ED	MTZ22B T-77 TP ROHM
		ZD501	0DZ750009DA	MTZ7.5B TP ROHM-K
		ZD502	0DZ130009AA	MTZ13A TP ROHM-K
		ZD503	0DZ150009BA	MTZ15A TP ROHM-K
		ZD504	0DZ560009CB	MTZ5.6C,0.5W(26MM) TP ROHM
		ZD505	0DZ270009CA	MTZ27C TP ROHM-KOREA
		ZD901	0DZ150009BC	MTZ15B ROHM-K
		ZD902	0DZ150009BC	MTZ15B ROHM-K
		ZDP02	0DZ560009CA	MTZ5.6B TP ROHM-K
		ZDP06	0DZ180009CA	MTZ18B TP ROHM-K